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Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science
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Forestry
Animal Industry
Entomology
Agricultural Engineering
Agricultural Products
Agricultural Economics and Rural Sociology
Food and Human Nutrition
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials
Translations
USDA Publications
State Agricultural Experiment Station Publications
State Agricultural Extension Service Publications
Food and Agriculture Organization of the UN (FAO) Publications

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BIBLIOGRAPHY OF AGRICULTURE

CONTENTS

	Item
PLANT SCIENCE	58478-61036
General	58478
Systematic and Geographic Botany	58570
General	58570
Spermatophytes	58610
Pteridophytes	58728
Bryophytes	58742
Algae	58754
Fungi (Including Lichens)	58766
Pathology	58815
General	58815
Diseases Caused by Fungi	58915
Diseases Caused by Bacteria	59098
Viruses and Virus Diseases	59111
Diseases Caused by Nematodes	59200
Ecology	59224
Morphology, Anatomy, and Cytology	59581
Genetics	59678
Physiology	59748
Biochemistry	60277
Field Crops	60368
General	60368
Cereals	60394
Fiber Crops	60482
Forage Crops and Grasses	60497
Oil Crops	60595
Sugar Crops	60606
Tobacco	60613
Horticultural Crops	60619
General	60619
Fruits—General	60635
Fruits—Citrus and Subtropical	60646
Fruits—Deciduous	60682
Fruits—Small	60707
Nuts	60732
Shade Trees and Ornamental Plants	60737
Vegetable and Truck Crops (Including Potatoes)	60857
Weeds and Poisonous Plants	60926
Miscellaneous Economic Plants (Drug, Dye, Rubber, etc.)	61015
SOILS AND FERTILIZERS	61037-61670
Soil Science	61037
Soil Physics	61041
Soil Chemistry and Mineralogy	61113
Soil Biology	61186
Soil-Plant-Animal Relationships	61255
Soil Genesis, Formation, Classification, and Mapping	61262
Soil Management	61312
Soil Fertility	61327
Soil Tilth and Tillage	61457
Drainage, Irrigation, Water Supply, and Flood Control	61479
Erosion and Erosion Control	61593
Sanitation	61632
Materials for Soil Improvement	61642
Chemical Fertilizers	61642
Mineral Soil Amendments	
Fertilizer Technology and Statistics	61651
Manures and Composts	61665
FORESTRY	61671-62254
General	61671
Education	61703
Policies, Programs, Administration	61709
Legislation and Taxation	61725
Forest Description and Resources	61726
Forest Management and Finance	61738
Farm Woodlands	61766
Mensuration, Surveying, Photogrammetry	61770
Silviculture	61808
Silvicultural Practices	61860
Regeneration and Breeding	61880
Forest Protection and Damage	61973
Fire	61985
Forest Influences	61991
Miscellaneous Forest Uses	61999
Forest Industries and Trade	62007
Lumbering and Logging	62022
Sawmills	62058
Processing and Woodworking	62065
Seasoning, Conditioning, and Finishing	62070
Wood Preservation and Damage	62076
Forest Products	62105
Lumber and Rough Products	62116
Construction	62128
Veneers, Plywood, and Adhesives	62129
Furniture	
Containers	
Pulp and Paper	62142
Chemical Products and Distillates	62168
Naval Stores	62175
Other Forest Products	62182
Wood Technology	62200
Properties and Structure	62222
ANIMAL INDUSTRY	62255-63697
Breeds and Breeding	62255
Feeds and Feeding	62277
Veterinary Medicine	62332
Miscellaneous	62499
Cattle	62526
Breeds and Breeding	62526
Feeds and Feeding	62635
Veterinary Medicine	62710
Miscellaneous	62951
Dogs and Cats	62997
Breeds and Breeding	62997
Feeds and Feeding	63000
Veterinary Medicine	63001
Miscellaneous	63088
Fur Animals—Pen Raised	63089
Breeds and Breeding	63089
Feeds and Feeding	63094
Veterinary Medicine	63104
Miscellaneous	63118
Horses and Mules	63123
Breeds and Breeding	63123
Feeds and Feeding	63130
Veterinary Medicine	63139
Miscellaneous	63176
Laboratory Animals, Small	63185
Breeds and Breeding	63185
Feeds and Feeding	
Veterinary Medicine	63186
Miscellaneous	
Poultry	63201
Breeds and Breeding	63201
Feeds and Feeding	63223
Veterinary Medicine	63258
Miscellaneous	63345
Rabbits	63376
Breeds and Breeding	
Feeds and Feeding	63376
Veterinary Medicine	63378
Miscellaneous	
Sheep and Goats	63387
Breeds and Breeding	63387
Feeds and Feeding	63415
Veterinary Medicine	63433
Miscellaneous	63541
Swine	63552
Breeds and Breeding	63552
Feeds and Feeding	63574
Veterinary Medicine	63613
Miscellaneous	63682
ENTOMOLOGY	63698-64744
General	63698
Economic	63711
General	63711
Medical and Veterinary Pests	63801
Pests of Field and Truck Crops	63875
Pests of Fruit and Nut Crops	63973
Pests of Ornamentals, Greenhouses, and Nurseries	64027
Pests of Stored Products and Processed Commodities	64034
Pests of Trees and Wood Products	64062
Apiculture and Apis Mellifera	64118
Sericulture and the Silkworm	64203
Taxonomic, Geographic, and Biological	64227
General	64227
Arachnida, Myriapoda, etc.	64274
Coleoptera	64324
Diptera	64400
Culicidae	64469
Hemiptera (Heteroptera and Homoptera)	64479
Hymenoptera	64530
Lepidoptera	64575
Orthoptera	64700
Smaller Orders	64712
AGRICULTURAL ENGINEERING	64745-65049
General and Miscellaneous	64745
Farm Machines and Equipment	64760
Animal Husbandry Equipment	64810
Cultivation and Tillage Equipment	64825
Fertilizing and Planting Equipment	64844
Harvesting Equipment	64870
Land Clearing Equipment	
Processing Equipment Used on the Farm	64898
Repair, Maintenance, and Construction Equipment	64918
Spraying and Dusting Equipment	64925
Vehicles	64938
Farm Structures and Rural Housing	64972
Animal Shelters and Animal Service Buildings	64982
Farmhouses and Farmsteads	65012
Greenhouses and Plant Service Buildings	65013
Materials and Methods	65021
Storage Structures	65025
Walls and Fences	65031
Farm Utilities	65034
Electricity and Electrification	65034
Heating, Lighting, and Radiation	65037
Power Plants, Motors, and Engines on the Farm	65039
Sewage and Waste Disposal	65041
Telephones	65042
Water Supply	65043

	Item
AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS	65050-66304
General	65050
Analysis and Composition	65065
Consumption and Utilization	65102
Distribution, Marketing, and Transportation	65111
Grading, Inspection, Standardization, and Quality	65146
Packing and Packaging	65179
Prices, Price Control, and Rationing	65187
Processing and Storage	65196
Statistics	65250
Beverages and Condiments	65278
Dairy Products	65353
Analysis and Composition	65381
Consumption and Utilization	65429
Distribution, Marketing, and Transportation	65433
Grading, Inspection, Standardization, and Quality	65461
Packing and Packaging	65481
Prices, Price Control, and Rationing	65491
Processing and Storage	65494
Statistics	65548
Feed and Forage Crops	65550
Fibers and Textiles	65579
Fruits, Vegetables, and Nuts	65670
Analysis and Composition	65698
Consumption and Utilization	65724
Distribution, Marketing, and Transportation	65728
Grading, Inspection, Standardization, and Quality	65751
Packing and Packaging	65762
Prices, Price Control, and Rationing	65773
Processing and Storage	65774
Statistics	65833
Grain and Grain Products	65844
Honey and Beeswax	65956
Livestock and Livestock Products	65959
Analysis and Composition	65993
Consumption and Utilization	66009
Distribution, Marketing, and Transportation	66015
Grading, Inspection, Standardization, and Quality	66036
Packing and Packaging	66050
Prices, Price Control, and Rationing	66053
Processing and Storage	66055
Statistics	66093
Oils and Oilseeds	66098
Poultry and Poultry Products	66146
Rubber and Rubber Substitutes	66185
Seeds	66190
Sugar and Sirups	66210
Tobacco	66253
Miscellaneous Products	66275
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY	66305-67102
General	66305
Agricultural Finance	66373
Credit	66396
Income	66417
Inflation	66429
Insurance	66430
Taxation	66435
Agricultural Labor and Wages	66442
Agriculture - Situation, Policies, and Programs	66495
Subsidies	66610
Cost and Standard of Living	
Farm Management and Land Economics	66611
Bookkeeping and Records	66724
Costs and Returns	66736
Land Settlement and Colonization	66771
Land Tenure	66775
Land Utilization	66818
Land Values and Valuation	66859
Population	66873
Rural Social Organization	66884
Human Ecology	66892
Institutions	66897
Leadership	66975
Rural Organizations and Movements	66977
Cooperative Organizations	66989
Rural Social Psychology	67021
Trade, Foreign and International	67027
FOOD AND HUMAN NUTRITION	67103-67143
General	67103
Food Habits	67128
Nutritive and Vitamin Content	67129
MISCELLANEOUS	67144-67291
General	67144
Biography	67177
History	67242
Home Management	
International Relations	67262
Meteorology	67266
Personnel	67276
Research	67277
Statistics	67288
NEW PERIODICALS AND SERIALS	p. 253
TRANSLATIONS	p. 254
U. S. D. A. PUBLICATIONS	p. 257
STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p. 259
STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p. 263
FAO PUBLICATIONS	p. 267
AUTHOR INDEX	p. 269

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64365 PEDERSEN, K. E. Recent find of less frequent beetles in Denmark. (Da) Flora og Fauna 67(4):198-200. Dec.1961. 410 F662

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64374 SANDNER, H. Mortality in the initial generation and emergence from grain of beetles of the succeeding generation of Calandra [i.e. Sitophilus] granaria L. and Sitophilus oryzae L. (Pol) Ekol. Polska, Ser. B. 8(1):67-70. 1962. 512 W263B
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64375 SARINGER, GY. Data on habits of Baris coerulescens Scop. (Hu) Budapest. Növényvédelmi Kutató Intézet. Evkön. 8:269-272. 1957/60,pub.1961. 423.92 B85
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64384 STIPRAIS, M. A. Rearing Carabidae of the genus Carabus L. (Rus) Akad. Nauk Latviiskoi SSR. Inst. Biol. Trudy 20:147-162. 1961. 442.9 R442
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64386 SZELENYI, G. In the Leguminosae seeds living Eurytoma (Bruchophagus) species (Hym. Chalcidoidea) in Hungary. (Hu) Budapest. Növenyvedelmi Kutato Intezet, Evkön. 8:131-138. Ref. 1957/60,pub.1961. 423.92 B85
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64387 TEMPERE, G. A remarkable secondary locality, in Gironde, of the hypogeous carabid Trechus delhermi dayremi Saulcy. (Fr) Entomologiste 18(1):15-19. Feb.1962. 421 En814

64388 THEROND, J. An unpublished Tribalus from the Congo (Coleoptera-Histeridae). (Fr) Rev. de Zool. et de Bot. Africaines 64(3/4):349-350. Dec.30,1961. 410 R326
Tribalus minutulus n. sp.

64389 TRIST, P. J. O. Japanese beetle (Popillia japonica). Suffolk Nat. Soc. Trans. 12(1):65. 1961. 410.9 Su2
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64390 TURNIPSEED, S. G. Some factors influencing oviposition and incubation of eggs of the tobacco wireworm, Conoderus vespertinus (F.). Diss. Abs. 22(10):3789. Apr.1962. 241.8 M58

64391 VOSS, E. Contribution to the study of the fauna of Afghanistan. Voyages of Dr. K. Lindberg in 1959 and 1960. Curculionids (Col., Curc.). II. (167th contribution to the knowledge of the Curculionidae). (Ge) Ent. Tidskr. 82 (3/4):180-190. 1961. 421 En891
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64392 VRYDAGH, J. M. Anthaxia salicis F. (Coleopt. Buprestidae) in Belgium. (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 97(11/12):307-309, map. Dec.31,1961. 420 B41

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64394 WHITE, R. E. A correction in the original description of Euceratocerus gibbifrons White (Coleoptera: Anobiidae). Ohio J. Sci. 62(1):1-2. Jan.1962. 410 Oh3

64395 WITTMER, Z. Carphurus plicaticollis Pic (Col.: Malachiidae) and related forms. (23 contribution to the knowledge of Indo-Malayan Malacodermata). (Ge) Pacific Insects 4(1):133-139. Jan.31,1962. 421 P11
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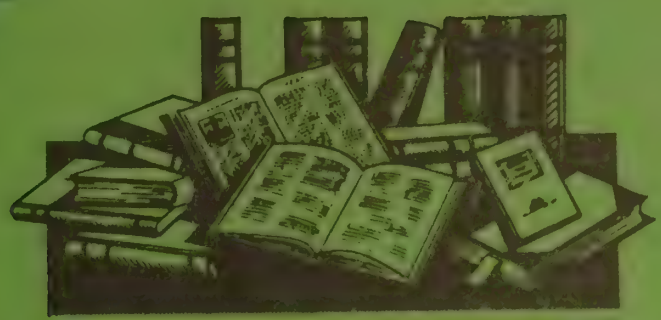
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CONTENTS

	Item
PLANT SCIENCE	67292-70162
General	67292
Systematic and Geographic Botany	67377
General	67377
Spermatophytes	67403
Pteridophytes	67529
Bryophytes	67533
Algae	67553
Fungi (Including Lichens)	67578
Pathology	67663
General	67663
Diseases Caused by Fungi	67764
Diseases Caused by Bacteria	67954
Viruses and Virus Diseases	67980
Diseases Caused by Nematodes	68050
Ecology	68087
Morphology, Anatomy, and Cytology	68208
Genetics	68416
Physiology	68526
Biochemistry	69164
Field Crops	69275
General	69275
Cereals	69318
Fiber Crops	69451
Forage Crops and Grasses	69495
Oil Crops	69631
Sugar Crops	69653
Tobacco	69683
Horticultural Crops	69686
General	69686
Fruits—General	69697
Fruits—Citrus and Subtropical	69712
Fruits—Deciduous	69732
Fruits—Small	69763
Nuts	69792
Shade Trees and Ornamental Plants	69802
Vegetable and Truck Crops (Including Potatoes)	69902
Weeds and Poisonous Plants	70007
Miscellaneous Economic Plants (Drug, Dye, Rubber, etc.)	70114
SOILS AND FERTILIZERS	70163-70936
Soil Science	70163
Soil Physics	70169
Soil Chemistry and Mineralogy	70232
Soil Biology	70317
Soil-Plant-Animal Relationships	70400
Soil Genesis, Formation, Classification, and Mapping	70404
Soil Management	70477
Soil Fertility	70487
Soil Tilth and Tillage	70676
Drainage, Irrigation, Water Supply, and Flood Control	70702
Erosion and Erosion Control	70845
Sanitation	70876
Materials for Soil Improvement	70880
Chemical Fertilizers	70880
Mineral Soil Amendments	70891
Fertilizer Technology and Statistics	70894
Manures and Composts	70915
FORESTRY	70937-71619
General	70937
Education	70958
Policies, Programs, Administration	70965
Legislation and Taxation	70986
Forest Description and Resources	70993
Forest Management and Finance	71003
Farm Woodlands	71032
Mensuration, Surveying, Photogrammetry	71037
Silviculture	71074
Silvicultural Practices	71130
Regeneration and Breeding	71169
Forest Protection and Damage	71296
Fire	71311
Forest Influences	71325
Miscellaneous Forest Uses	71334
Forest Industries and Trade	71342
Lumbering and Logging	71351
Sawmills	71394
Processing and Woodworking	71408
Seasoning, Conditioning, and Finishing	71411
Wood Preservation and Damage	71420
Forest Products	71454
Lumber and Rough Products	71472
Construction	71485
Veneers, Plywood, and Adhesives	71491
Furniture	
Containers	
Pulp and Paper	71505
Chemical Products and Distillates	71535
Naval Stores	71544
Other Forest Products	71555
Wood Technology	71574
Properties and Structure	71594
ANIMAL INDUSTRY	71620-73058
Breeds and Breeding	71620
Feeds and Feeding	71631
Veterinary Medicine	71710
Miscellaneous	71873
Cattle	71888
Breeds and Breeding	71888
Feeds and Feeding	71975
Veterinary Medicine	72078
Miscellaneous	72257
Dogs and Cats	72287
Breeds and Breeding	72287
Feeds and Feeding	
Veterinary Medicine	72290
Miscellaneous	72361
Fur Animals - Pen Raised	72365
Breeds and Breeding	72365
Feeds and Feeding	72367
Veterinary Medicine	72370
Miscellaneous	72382
Horses and Mules	72385
Breeds and Breeding	72385
Feeds and Feeding	
Veterinary Medicine	72401
Miscellaneous	72431
Laboratory Animals, Small	72434
Breeds and Breeding	
Feeds and Feeding	72434
Veterinary Medicine	72436
Miscellaneous	
Poultry	72453
Breeds and Breeding	72453
Feeds and Feeding	72489
Veterinary Medicine	72586
Miscellaneous	72708
Rabbits	72754
Breeds and Breeding	72754
Feeds and Feeding	
Veterinary Medicine	72758
Miscellaneous	
Sheep and Goats	72767
Breeds and Breeding	72767
Feeds and Feeding	72802
Veterinary Medicine	72817
Miscellaneous	72890
Swine	72897
Breeds and Breeding	72897
Feeds and Feeding	72932
Veterinary Medicine	72975
Miscellaneous	73042
ENTOMOLOGY	73059-73917
General	73059
Economic	73062
General	73062
Medical and Veterinary Pests	73132
Pests of Field and Truck Crops	73187
Pests of Fruit and Nut Crops	73264
Pests of Ornamentals, Greenhouses, and Nurseries	73322
Pests of Stored Products and Processed Commodities	73331
Pests of Trees and Wood Products	73357
Apiculture and Apis Mellifera	73406
Sericulture and the Silkworm	73462
Taxonomic, Geographic, and Biological	73504
General	73504
Arachnida, Myriapoda, etc.	73539
Coleoptera	73590
Diptera	73657
Culicidae	73720
Hemiptera (Heteroptera and Homoptera)	73728
Hymenoptera	73767
Lepidoptera	73797
Orthoptera	73859
Smaller Orders	73882
AGRICULTURAL ENGINEERING	73918-74380
General and Miscellaneous	73918
Farm Machines and Equipment	73930
Animal Husbandry Equipment	74003
Cultivation and Tillage Equipment	74026
Fertilizing and Planting Equipment	74054
Harvesting Equipment	74087
Land Clearing Equipment	
Processing Equipment Used on the Farm	74136
Repair, Maintenance, and Construction Equipment	74168
Spraying and Dusting Equipment	74175
Vehicles	74194
Farm Structures and Rural Housing	74251
Animal Shelters and Animal Service Buildings	74265
Farmhouses and Farmsteads	74309
Greenhouses and Plant Service Buildings	74319
Materials and Methods	74330
Storage Structures	74334
Walls and Fences	74347
Farm Utilities	74355
Electricity and Electrification	74355
Heating, Lighting, and Radiation	74370
Power Plants, Motors, and Engines on the Farm	74372
Sewage and Waste Disposal	74373
Telephones	
Water Supply	74375

	Item
AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS	74381-75810
General	74381
Analysis and Composition	74397
Consumption and Utilization	74438
Distribution, Marketing, and Transportation	74449
Grading, Inspection, Standardization, and Quality	74476
Packing and Packaging	74495
Prices, Price Control, and Rationing	74499
Processing and Storage	74507
Statistics	74548
Beverages and Condiments	74570
Dairy Products	74641
Analysis and Composition	74686
Consumption and Utilization	74757
Distribution, Marketing, and Transportation	74768
Grading, Inspection, Standardization, and Quality	74806
Packing and Packaging	74834
Prices, Price Control, and Rationing	74844
Processing and Storage	74847
Statistics	74888
Feed and Forage Crops	74890
Fibers and Textiles	74937
Fruits, Vegetables, and Nuts	75049
Analysis and Composition	75090
Consumption and Utilization	75125
Distribution, Marketing, and Transportation	75130
Grading, Inspection, Standardization, and Quality	75149
Packing and Packaging	75166
Prices, Price Control, and Rationing	75177
Processing and Storage	75178
Statistics	75245
Grain and Grain Products	75254
Honey and Beeswax	75371
Livestock and Livestock Products	75375
Analysis and Composition	75392
Consumption and Utilization	75412
Distribution, Marketing, and Transportation	75416
Grading, Inspection, Standardization, and Quality	75434
Packing and Packaging	75450
Prices, Price Control, and Rationing	75454
Processing and Storage	75458
Statistics	75494
Oils and Oilseeds	75496
Poultry and Poultry Products	75614
Rubber and Rubber Substitutes	75673
Seeds	75684
Sugar and Sirups	75715
Tobacco	75779
Miscellaneous Products	75793
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY	75811-76581
General	75811
Agricultural Finance	75854
Credit	75866
Income	75893
Inflation	
Insurance	75897
Taxation	75905
Agricultural Labor and Wages	75910
Agriculture - Situation, Policies, and Programs	75964
Subsidies	
Cost and Standard of Living	76075
Farm Management and Land Economics	76077
Bookkeeping and Records	76222
Costs and Returns	76239
Land Settlement and Colonization	76288
Land Tenure	76292
Land Utilization	76315
Land Values and Valuation	76348
Population	76353
Rural Social Organization	76358
Human Ecology	76365
Institutions	76381
Leadership	76439
Rural Organizations and Movements	76440
Cooperative Organizations	76463
Rural Social Psychology	76502
Trade, Foreign and International	76504
FOOD AND HUMAN NUTRITION	76582-76623
General	76582
Food Habits	76615
Nutritive and Vitamin Content	76622
MISCELLANEOUS	76645-76814
General	76645
Biography	76698
History	76757
Home Management	76767
International Relations	
Meteorology	76768
Personnel	
Research	76784
Statistics	76808
NEW PERIODICALS AND SERIALS	p. 273
TRANSLATIONS	p. 274
U. S. D. A. PUBLICATIONS	p. 276
STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p. 279
STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p. 283
FAO PUBLICATIONS	p. 285
AUTHOR INDEX	p. 287

PLANT SCIENCE

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Survey.

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On Stachys palustris.

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Immigrant from Australia.

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73618 KRIVOLUTSKAYA, G. O. The larvae of three cerambycid species (Coleoptera). (Rus) Zool. Zhur. 41(5):770-776. May 1962. 410 R92
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421 Op7A
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73624 LYAKHOV, S. M. Formation of the benthos of the Stalingrad reservoir in the first year of its existence. (Rus) Akad. Nauk SSSR. Inst. Biol. Vodokhranilishch. Trudy 4(7):204-218,map. Ref. 1961. 442.9 Ak192
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73627 MATEU, J. On the origin of the entomological fauna of the Canary and Madeira archipelagoes. (Sp) In France. Centre National de la Recherche Scientifique. Le peuplement des iles méditerranéennes et le problème de l'insularité, p.64-73. Ref. 1961. 411.2 F84
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Includes discussion.

73628 MATEU, J. The recent African element in the carabids of the Canary Islands. (Fr) In France. Centre National de la Recherche Scientifique. Le peuplement des iles méditerranéennes et le problème de l'insularité, p.57-63. Ref. 1961. 411.2 F85
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73629 MAZOKHIN-PORSHNYAKOV, G. A. Color vision in Coleoptera, Cetoniini. (Rus) Akad. Nauk SSSR. Dok. 143(5):1208-1210. Ref. Apr. 1962. 511 P444A
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73631 MIRE, P. B. DE. Trechus fulvus Dej. (Col. Carab.) from the coast of the English Channel. (Fr) Rev. Franc. d'Ent. 38(4):203-211,map. 1961. 421 R23
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73632 MOORE, B. P. Notes on Australian Carabidae (Col.). IV. A new genus of the Pterostichinae from the Victorian Alps. Ent. Mon. Mag. 97 (1169/1171):234-236. Oct./Dec.1961. 421 En86
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73633 MORRIS, M. G. Further records of Apion semivittatum Gyll. (Col., Curculionidae) in Kent. Ent. Mon. Mag. 98(1172):12. Jan.1962. 421 En86
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73634 NELSON, G. H. Notes on the Buprestidae. III. Brooklyn Ent. Soc. B. 57(2):56-60. Apr.1962. 420 B79
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73635 PAULIAN, R. Scarabaeid Coleoptera from Indochina (Rutelinae and Cetoniinae). (Fr) Soc. Ent. de France. Ann. 130:225-271. (Concl.) 1961. 420 F84
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73637 PIERRE, F. The coast of North Africa and the entomological population of the Atlantic Islands. (Fr) In France. Centre National de la Recherche Scientifique. Le peuplement des iles méditerranéennes et le problème de l'insularité, p.75-83. Ref. 1961. 411.2 F84
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73639 PROTSENKO, A. I. Materials on the fauna of Scarabaeidae, Coleoptera, of Kirghizia. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 3(1):159-184,map. Ref. 1961. 442.9 Ak123

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73642 ROSEL, A. Laboratory breeding of Lyctus brunneus (Steph). Pest Technol. Pest Control & Pesticides 4(4):78-82. Jan.1962. 79.8 P432

73643 SHAW, M. W. Trichius fasciatus (L.) (Col., Scarabaeidae) in Britain with some comments on the occurrence of "gin-traps" in the pupa. Ent. Mon. Mag. 97(1169/1171):209-210. Oct./Dec.1961. 421 En86
Considered a protective device.

73644 SHMYTOVA, G. YA. Development of Ascarops strongylina (Rudolphi, 1819) in the organism of the intermediate host. (Rus) Akad. Nauk SSSR. Gel'mintologicheskaya Lab. Trudy 11:363-372. 1961. 436.9 Ak1
Scarabaeidae, Histeridae, and Hydrophilidae.

73645 SIDE, K. C. Records of Tachinus flavolimbatus Pandelle (Col., Staphylinidae) in Kent. Ent. Mon. Mag. 98(1172):23. Jan.1962. 421 En86

73646 STEEL, W. O. Notes on the Omaliinae (Col., Staphylinidae). Ent. Mon. Mag. 97(1169/1171): 237-239. Oct./Dec.1961. 421 En86
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CONTENTS

	Item
PLANT SCIENCE	76816-78268
General	76816
Systematic and Geographic Botany	76898
General	76898
Spermatophytes	76920
Pteridophytes	76986
Bryophytes	76989
Algae	77000
Fungi (Including Lichens)	77007
Pathology	77026
General	77026
Diseases Caused by Fungi	77083
Diseases Caused by Bacteria	77197
Viruses and Virus Diseases	77214
Diseases Caused by Nematodes	77265
Ecology	77300
Morphology, Anatomy, and Cytology	77353
Genetics	77416
Physiology	77462
Biochemistry	77757
Field Crops	77837
General	77837
Cereals	77850
Fiber Crops	77907
Forage Crops and Grasses	77923
Oil Crops	77974
Sugar Crops	77982
Tobacco	78010
Horticultural Crops	78016
General	78016
Fruits—General	78029
Fruits—Citrus and Subtropical	78038
Fruits—Deciduous	78059
Fruits—Small	78082
Nuts	78094
Shade Trees and Ornamental Plants	78100
Vegetable and Truck Crops (Including Potatoes)	78134
Weeds and Poisonous Plants	78176
Miscellaneous Economic Plants (Drug, Dye, Rubber, etc.)	78239
SOILS AND FERTILIZERS	78269-79048
Soil Science	78269
Soil Physics	78271
Soil Chemistry and Mineralogy	78325
Soil Biology	78403
Soil-Plant-Animal Relationships	
Soil Genesis, Formation, Classification, and Mapping	78466
Soil Management	78537
Soil Fertility	78552
Soil Tilth and Tillage	78758
Drainage, Irrigation, Water Supply, and Flood Control	78778
Erosion and Erosion Control	78923
Sanitation	78972
Materials for Soil Improvement	78975
Chemical Fertilizers	78986
Mineral Soil Amendments	78983
Fertilizer Technology and Statistics	78984
Manures and Composts	79030
FORESTRY	79049-79628
General	79049
Education	79079
Policies, Programs, Administration	79081
Legislation and Taxation	79098
Forest Description and Resources	79108
Forest Management and Finance	79124
Farm Woodlands	79143
Mensuration, Surveying, Photogrammetry	79144
Silviculture	79182
Silvicultural Practices	79231
Regeneration and Breeding	79265
Forest Protection and Damage	79363
Fire	79380
Forest Influences	79390
Miscellaneous Forest Uses	79407
Forest Industries and Trade	79419
Lumbering and Logging	79429
Sawmills	79462
Processing and Woodworking	79467
Seasoning, Conditioning, and Finishing	79470
Wood Preservation and Damage	79477
Forest Products	79487
Lumber and Rough Products	79502
Construction	79505
Veneers, Plywood, and Adhesives	79510
Furniture	
Containers	79520
Pulp and Paper	79521
Chemical Products and Distillates	79570
Naval Stores	79579
Other Forest Products	79582
Wood Technology	79600
Properties and Structure	79608
ANIMAL INDUSTRY	79629-81351
Breeds and Breeding	79629
Feeds and Feeding	79643
Veterinary Medicine	79736
Miscellaneous	79960
Cattle	79992
Breeds and Breeding	79992
Feeds and Feeding	80098
Veterinary Medicine	80206
Miscellaneous	80478
Dogs and Cats	80520
Breeds and Breeding	80520
Feeds and Feeding	
Veterinary Medicine	80524
Miscellaneous	80585
Fur Animals - Pen Raised	80588
Breeds and Breeding	80588
Feeds and Feeding	80589
Veterinary Medicine	80590
Miscellaneous	80602
Horses and Mules	80604
Breeds and Breeding	80604
Feeds and Feeding	80617
Veterinary Medicine	80620
Miscellaneous	80663
Laboratory Animals, Small	80671
Breeds and Breeding	80671
Feeds and Feeding	80674
Veterinary Medicine	80677
Miscellaneous	
Poultry	80700
Breeds and Breeding	80700
Feeds and Feeding	80726
Veterinary Medicine	80782
Miscellaneous	80899
Rabbits	80929
Breeds and Breeding	80929
Feeds and Feeding	80932
Veterinary Medicine	80934
Miscellaneous	80954
Sheep and Goats	80956
Breeds and Breeding	80956
Feeds and Feeding	80996
Veterinary Medicine	81015
Miscellaneous	81133
Swine	81150
Breeds and Breeding	81150
Feeds and Feeding	81173
Veterinary Medicine	81239
Miscellaneous	81340
ENTOMOLOGY	81352-82917
General	81352
Economic	81361
General	81361
Medical and Veterinary Pests	81444
Pests of Field and Truck Crops	81613
Pests of Fruit and Nut Crops	81735
Pests of Ornamentals, Greenhouses, and Nurseries	81822
Pests of Stored Products and Processed Commodities	81834
Pests of Trees and Wood Products	81865
Apiculture and Apis Mellifera	81917
Sericulture and the Silkworm	82016
Taxonomic, Geographic, and Biological	82070
General	82070
Arachnida, Myriapoda, etc.	82114
Coleoptera	82209
Diptera	82353
Culicidae	82449
Hemiptera (Heteroptera and Homoptera)	82496
Hymenoptera	82577
Lepidoptera	82657
Orthoptera	82810
Smaller Orders	82855
AGRICULTURAL ENGINEERING	82918-83299
General and Miscellaneous	82918
Farm Machines and Equipment	82930
Animal Husbandry Equipment	83009
Cultivation and Tillage Equipment	83035
Fertilizing and Planting Equipment	83066
Harvesting Equipment	83082
Land Clearing Equipment	83124
Processing Equipment Used on the Farm	83125
Repair, Maintenance, and Construction Equipment	83152
Spraying and Dusting Equipment	83164
Vehicles	83179
Farm Structures and Rural Housing	83219
Animal Shelters and Animal Service Buildings	83232
Farmhouses and Farmsteads	83252
Greenhouses and Plant Service Buildings	83257
Materials and Methods	83265
Stroage Structures	83268
Walls and Fences	83281
Farm Utilities	83283
Electricity and Electrification	83[illegible]
Heating, Lighting, and Radiation	
Power Plants, Motors, and Engines on the Farm	83293
Sewage and Waste Disposal	83296
Telephones	
Water Supply	83297

	Item
AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS	83300-85138
General	83300
Analysis and Composition	83320
Consumption and Utilization	83370
Distribution, Marketing, and Transportation	83378
Grading, Inspection, Standardization, and Quality	83448
Packing and Packaging	83492
Prices, Price Control, and Rationing	83513
Processing and Storage	83521
Statistics	83569
Beverages and Condiments	83599
Dairy Products	83711
Analysis and Composition	83739
Consumption and Utilization	83816
Distribution, Marketing, and Transportation	83821
Grading, Inspection, Standardization, and Quality	83841
Packing and Packaging	83868
Prices, Price Control, and Rationing	83877
Processing and Storage	83879
Statistics	83948
Feed and Forage Crops	83952
Fibers and Textiles	83987
Fruits, Vegetables, and Nuts	84137
Analysis and Composition	84183
Consumption and Utilization	84224
Distribution, Marketing, and Transportation	84232
Grading, Inspection, Standardization, and Quality	84284
Packing and Packaging	84298
Prices, Price Control, and Rationing	84309
Processing and Storage	84310
Statistics	84394
Grain and Grain Products	84405
Honey and Beeswax	84533
Livestock and Livestock Products	84545
Analysis and Composition	84599
Consumption and Utilization	84645
Distribution, Marketing, and Transportation	84648
Grading, Inspection, Standardization, and Quality	84669
Packing and Packaging	84712
Prices, Price Control, and Rationing	84717
Processing and Storage	84719
Statistics	84764
Oils and Oilseeds	84770
Poultry and Poultry Products	84863
Rubber and Rubber Substitutes	84914
Seeds	84948
Sugar and Sirups	84989
Tobacco	85085
Miscellaneous Products	85118
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY	85139-85955
General	85139
Agricultural Finance	85184
Credit	85197
Income	85244
Inflation	
Insurance	85248
Taxation	85257
Agricultural Labor and Wages	85265
Agriculture - Situation, Policies, and Programs	85323
Subsidies	85466
Cost and Standard of Living	85469
Farm Management and Land Economics	85474
Bookkeeping and Records	85610
Costs and Returns	85621
Land Settlement and Colonization	85672
Land Tenure	85677
Land Utilization	85736
Land Values and Valuation	85783
Population	85792
Rural Social Organization	85806
Human Ecology	85815
Institutions	85822
Leadership	
Rural Organizations and Movements	85906
Cooperative Organizations	85924
Rural Social Psychology	85944
Trade, Foreign and International	85955
FOOD AND HUMAN NUTRITION	86036-86097
General	86036
Food Habits	86064
Nutritive and Vitamin Content	86066
MISCELLANEOUS	86098-86281
General	86098
Biography	86146
History	86226
Home Management	
International Relations	86236
Meteorology	86239
Personnel	
Research	86252
Statistics	86279
NEW PERIODICALS AND SERIALS	p. 265
TRANSLATIONS	p. 266
U. S. D. A. PUBLICATIONS	p. 269
STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p. 272
STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p. 276
FAO PUBLICATIONS	p. 277
AUTHOR INDEX	p. 279

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Probably Sipalus sp.; anatomy of other beetle larva discussed.

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Includes n. spp. in Faronus, Amauronyx, Euplectus, Tychobythinus, Bryaxis, Tychus, and Geopselaphus.

82219 BIELAWSKI, R. Contribution to the knowledge of the Melanesian Coccinellidae (Col.). (Ge) Niponius 1(13):1-9. Oct.10,1961. 421 N62
Includes Orcus chujoi n. sp.

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Includes n. spp. in Glenea, Nupserha, Trichonitocris n. g., Pseudonitocris n. g., Obereopsis, Phytoecia, Metallyra, Xystrocera, Saphanidus, Psathyrus, Morimus, Mimonemophas n. g., Monochamus, Cypriola, Jeanvoinea, Mimothestus, Pseudochoeromorpha, Mesosa, Hecyrofrea n. g., Rhodopsis, Notomulciber, Tmesisternus, Philicus, Paradocus, Pterolophia, Niphotragulus, Cobria, Yimnashana, Hyagnis, Eumidia, Falsoropica, Ropica, Parepilysta, Elongatosybra n. g., Neoischnolea n. g., Spinosophroniella n. g., Hyllisia, Cleptometopus, Ectatosia, Scapogoephanes, Strioninyma n. g., Exocentrus, Aegocidnus, Ophthalmemeopedus n. g., Serixia, Glenida, Nitocris, and Bacchisa.

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New sp. in Pseudocharies thes.

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82228 BROWN, K. W. Notes on Analeptes (Diastocera) trifasciata (F) (Coleoptera, Lamiidae) and Kotochalia (Acanthopsyche) junodi (Heyl.) (Lepidoptera, Psychidae), two possible pests of Eucalyptus. Uganda. Forest Dept. Tech. Note 93,4 p. May 2,1961. 99.9 Ug12Te

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82233 BUTZ, A. The effects of pH on the isolated heart of the yellow mealworm, Tenebrio molitor. Ent. Soc. Amer. Ann. 55(4):480-481. July 1962. 420 En82

82234 CERKASOV, J., and SEIFERT, J. Nitrogen metabolism during metamorphosis of Tenebrio molitor L. pupae. I-II. (Cz) Ceskoslov. Spolecnost Zool. Vest. 24(2):130-138. Ref. May 1960. 410.9 C33
English summary.
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82235 CHAUDHARY, K. D., and LEMONDE, A. Phosphorus in the nutrition of Tribolium confusum Duval. Canad. J. Zool. 40(3):375-380. Ref. May 1962. 470 C16D

82236 CHEMSAK, J. A. New North American species of elaphidionine Cerambycidae (Coleoptera). Pan-Pacific Ent. 38(2):103-112. Apr.1962. 421 P193
Includes n. spp. in Aneflomorpha, Neaneflus, Anelaphus, and Peranoplium.

82237 CHUJO, M., and JOHN, H. A new species of Aphanocephalus Woll. (Ge) Niponius 1(12):1-2. Sept.13,1961. 421 N62
Aphanocephalus shibatai n. sp. of Coleoptera from the Ryukyu Islands.

82238 CMOLUCH, Z. Brachysomus strawinskii n. sp. (Coleoptera, Curculionidae). Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. C, 15:111-115. 1960,pub.1961. 512 L96Ac
Text in English.

82239 COBOS, A. Contribution to the knowledge of the Throscidae and Eucnemidae from the Spanish equatorial provinces (Guinea and Fernando Po). (Sp) Eos 37(4):361-378. Dec.31,1961. 421 Eo7
Includes n. spp. in Drapetes, Aulonothroscus, and Basilewskydia.

82240 COBOS, A. Note on Iberian Chrysomelidae (Coleoptera). (Sp) Graellsia 19(1/3):27-43. Jan./June 1961. 421 G75
Includes taxonomy.

82241 CODINA PADILLA, F. Note on the Moroccan Luperus from the subgenus Calomicrus Stephens (Col. Chrysomelidae). (Sp) Graellsia 19(1/3):69-79. Jan./June 1961. 421 G75
Includes n. spp.

82242 CODINA PADILLA, F. Notes on Iberian-Moroccan Chrysomelidae (Coleoptera). (Sp) Graellsia 19(1/3):45-57,map. Jan./June 1961. 421 G75
Includes Mantura burlinii n. sp.

82243 COOPER, K. W. A remarkable anophthalmic immigrant to North America: Anommatus duodecimstriatus Müller (Coleoptera: Colydiidae). Ent. News [Philadelphia] 73(7):187-190. Ref. July 1962. 421 En88

82244 COUTURIER, S. Anatomical and histological studies on the ileum of Melolonthinae (Coleoptera, Scarabaeidae). (Fr) Ann. des Epiphyt. 12(3):317-346. Ref. 1961. 464.9 F84An

82245 DAJOZ, R. Contribution to the study of the entomological fauna of the Forest of the Massane (Pyrenees-Orientales). 6. (Fr) Vie et Milieu 13(1):199-203. 1962. 442.8 V67
Coleoptera.

82246 DAMOISEAU, R. Deuxieme contribution a la connaissance des brenthides (Coleoptera-Brenthidae) [Second contribution to the knowledge of the Brenthidae (Coleoptera, Brenthidae)]. Inst. Roy. des Sci. Nat. de Belg. B. 37(37),24 p. Dec.1961. 504 B835B
Revision of African Calodromini, including Azemius n. g., Discothorax n. g., and n. spp. in Barathrodes n. g., Callipareius, and Myrmecobrenthus.

82247 DARLINGTON, P. J. The carabid beetles of New Guinea. I. Cicindelinae, Carabinae, Harpalinae through Pterostichini. Harvard U. Mus. Compar. Zool. B. 126(3):319-564,map. May 3,1962. 500 H26B
Includes n. spp. in Syleter, Clivina, Tachys, Limnastis, Perileptodes, Mecyclothorax, Caelostomus, Cosmodiscus, Abacetus, Lesticus, Rhytiferonia n. g., Paraloma n. g., Platycoelus, Haploferonia n. g., Loxandrus, Nebrioferonia, and Tiferonia n. g.

82248 DELKESKAMP, K. Revision of the genus Neothallis Fauvel. 28. Contribution to the knowledge of the Erotylidae (Coleoptera, Erotylidae). (Ge) Berlin. Zool. Mus. Mitt. 37(2):253-269. 1961. 410.9 B45
Includes n. spp.

82249 DILLON, L. S. Additional notes on Nearctic Acanthocinini (Coleoptera: Cerambycidae). Coleopterists' B. 16(1):30-32. Mar.1962. 421 C674
Taxonomic notes on Leptostylus and Probatius.

82250 DYK, V. On the biology of reproduction of the stag-beetle (Lucanus cervus L.). (Cz) Prague. Národ. Mus. Oddíl Přírodovědný. Casopis 130 (1):45-50.,map. 1961. 510 P886C
German summary.

82251 EDWARDS, J. S. Anomalous development of ovaries in Prionoplus reticularis White (Coleoptera: Cerambycidae). New Zeal. Ent. 2(6):47-48. Dec.1961. 421 N48

82252 EGINA, K. YA. Determination of the age, year of development and pupation time of Selatosomus aeneus larvae. (Rus) Zashch. Rast. ot Vred. i Boleznei 1962(5):50. May. 421 Z1

82253 ESPANOL, F. Blaps from the Iberian Peninsula (Col. Tenebrionidae). (Sp) Eos 37(4):399-414. Dec.31,1961. 421 Eo7

82254 ESPANOL, F. The genus Tarphius, new for the Spanish fauna (Col. Colydiidae). (Sp) Graellsia 19(1/3):81-85. Jan./June 1961. 421 G75
Includes Tarphius besucheti n. sp.

82255 FAGEL, G. Contribution a la connaissance des Staphylinidae. LXXVII. Cryptobium nouveaux d'Afrique occidentale [Contribution to the knowledge of the Staphylinidae. LXXVII. New Cryptobium from western Africa]. Inst. Roy. des Sci. Nat. de Belg. B. 37(38),13 p. Dec.1961. 504 B835B
New spp.

82256 FAGEL, G. Contribution to the knowledge of the Staphylinidae. LXXIV. New Paederidus from western Africa. (Fr) Mus. G. Frey. Ent. Arb. 13(1):67-70. 1962. 420 M923
Two n. spp. from Senegal.

82257 FENDER, K. M. A review of the genus Acnaeus (Coleoptera-Dascillidae). Northwest. Sci. 36(2):44-49. May 1962. 470 N81

82258 FRANZ, H. Revision of the west Mediterranean and central European Scydmoraphes species including comments on some species of the genus Neuraphes (Col. Scydmaenidae). (Ge) Eos 37 (4):415-496. Dec.31,1961. 421 Eo7
Includes n. spp. in both genera, and a biogeographical evaluation.

82259 FREY, G. An interesting catch from Mt. Nimba: Coleoptera Onthophagini. (Ge) Inst. Franç. d'Afrique Noire. B. Ser. A, Sci. Nat. 24(1):237-238. Jan.1962. 515 D14
Includes new species in Onthophagus.

82260 FREY, G. New sericines from my Museum, including a key to the genus Lasiorserica (Col. Lamell.). (Ge) Mus. G. Frey. Ent. Arb. 13(1): 132-137. 1962. 420 M923
New spp. in Lasioserica, Lamproserica, Empecamenta, and Trochalus.

82261 FREY, G. Onthophagini (Coleoptera Lamellicornia). (Ge) Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 21:69-98. 1961. 460.43 K83Ex
Includes n. spp. in Onthophagus.

82262 FREY, G. Revision of the genus Ceraspis Serv., including a description of a closely related new genus (Col. Melolonth.) (Ge) Mus. G. Frey. Ent. Arb. 13(1):1-66. 1962. 420 M923
Includes n. spp. in Ceraspis and Metaceraspis n. g.

82263 FUCHS, E. Neue Cerambyciden (Coleoptera) aus dem Institut Royal des Sciences Naturelles de Belgique [New Cerambycidae (Coleoptera) from the Institut Royal des Sciences Naturelles de Belgique]. Inst. Roy. des Sci. Nat. de Belg. B. 37(40),5 p. Dec.1961. 504 B835B
Includes n. spp. of Trichophorus from Mexico.

82264 GOURLAY, E. S. A generic correction in the family Elateridae (Coleoptera). New Zeal. Ent. 2(6):49. Dec.1961. 421 N48
Geraniella reduced to synonym of Sphaenelater.

82265 GRIGARICK, A. A., and SCHUSTER, R. O. Notes on Hesperotychus (Coleoptera: Pselaphidae). Pan-Pacific Ent. 38(2):99-102. Apr.1962. 421 P193
Includes Hesperotychus stangei n. sp.

82266 HAAF, E. Supplement to my partial revisions published to date of the genus Alcidodes (Col. Curc.). (Ge) Mus. G. Frey. Ent. Arb. 13(1): 138-155. 1962. 420 M923
Includes n. spp.

82267 HAEDO ROSSI, J. A. Brentidos Argentinos (Brenthidae, Coleoptera) [Argentine Brenthidae, (Brenthidae, Coleoptera)]. Opera Lilloana 6, 313 p.,map. Ref. 1961. 516 Op2

82268 HAFEZ, M., and BISHARA, S. I. Studies on the biology and ecology of Pentodon bispinosus Kust. in Egypt. I-II. (Coleoptera: Scarabaeidae-Dynastinae). Soc. Ent. d'Egypte. B. 45:155-198. Ref. 1961. 420 Eg9
Includes immature stages of this field crop pest.

82269 HAMMAD, S. M., and HASSAN, S. I. The external morphology of two cerambycid larvae. (Coleoptera) Soc. Ent. d'Egypte. B. 45:143-148. 1961. 420 Eg9
Xystrocera globosa and Stromatium fulvum.

82270 HARRIS, P. Effect of temperature on fecundity and survival of Chrysolina quadrigemina (Suffr.) and C. hyperici (Forst.) (Coleoptera: Chrysomelidae). Canad. Ent. 94(7):774-780,map. July 1962. 421 C16

82271 HATCH, M. H., and others. The beetles of the Pacific Northwest. III. Pselaphidae and Diversicornia. I. Wash. U. P. Biol. 16(3),503 p. Ref. 1962. 442.9 W27
Includes Pselaphidae by O. Park and J. A. Wagner; Lyctidae, Lampyridae, Phengodidae, and Cantharidae by K. M. Fender; Cleridae by W. F. Barr; Cryptophagus by M. H. Hatch, G. E. Woodroffe, and C. W. Coombs.
Includes Malachodermia and Clavicornia, and n. spp. in Sonoma, Hatchia n. g., Abdiunguis n. g., Tetrascapha, Foveoscapha n. g., Oropus, Oropodes (Euplecterga) n. sgen., Euplectus, Cupila, Actium, Hesperotychus, Lucifotychus n. g., Reichenbachia, Pselaptrichus, Ellychnia, Phausis, Podabrus, Cantharis, Malthodes, Eutrichopleurus, Trichochrous, Neadasytes n. g., Paradasytes n. g., Amecocerus, Hoppingiana, Vectura, Acneus, Elodes, Cyphon, Metophthalmus, Epuraea, Scymnus, Hyperaspidius, Hyperaspis, Calitys, Phalacrus, Olibrus, Narthecius, Henoticoides n. g., Atomaria, Mycetophagus, Cis, Xestocis, Plesiocis, Dolichocis, Xenomycetes, Lasconotus, Acritus, Gnathoncus, Byrrhus, Oligomerus, Hadrobregmus, Xeranobium, Vriletta, and Catorama; also includes Lucifotychus (Custotychus) n. sgen.

82272 HEINZE, E., and PINSDORF, W. The African Criocerinae (Col. Chrysomelidae) (31st contribution to the knowledge of the Criocerinae). (Ge) Mus. G. Frey. Ent. Arb. 13(1):156-270. (Cont.) Ref. 1962. 420 M923
Includes biology, note on noxious spp., and n. sp. in Bradylema, Pseudocrioceris, Elisabethana, and Crioceris.

82273 HICKS, S. D. The genus Oberea Mulsant (Coleoptera: Cerambycidae) with notes on the taxonomy, variation, and host-affinities of many of the species. Coleopterists' B. 16(1):5-12. Ref. Mar.1962. 421 C674

82274 HOFFMANN, A. Curculionid beetles collected in the Tibesti Massif by Ph. Bruneau de Miré. (Fr) Inst. Franç. d'Afrique Noire. B. Sér. A, Sci. Nat. 24(2):404-438. Apr.1962. 515 D14
Includes n. spp. in Myllocerus, Larinus, Lixus, Styphlochaetes, Balaninus, Nanophyes, Ceuthorrhynchus, and Pachyonix.

82275 HOFLER, K. Fungus beetles and beetles of fungi. (Ge) Vienna. Zool.-Bot. Gesell. Verhandl. 100:74-82. Ref. 1960. 410.9 V67
Ecology in Austria.

82276 HOPPING, G. R. The sex ratios in Ips tridens Mannerheim (Coleoptera: Scolytidae). Canad. Ent. 94(5):506. May 1962. 421 C16
Canada.

82277 JEGINA, K. Development of larvae of the click beetle Selatosomus aeneus under conditions prevailing in the Latvian SSR. (La) Latv. PSR Zinatnu Akad. Vest. 1962(1):91-95. 511 R442
Russian summary.

82278 JOHNSON, C. The scarabaeoid (Coleoptera) fauna of Lancashire and Cheshire and its apparent changes over the last 100 years. Entomologist 95(1189):153-165. June 1962. 421 En8

82279 JOURDHEUIL, P., and CHANSIGAUD, J. The parasites of imaginal flea beetles attacking cultivated flax (Col., Chrysomelidae). (Fr) Soc. Ent. de France. B. 66(9/10):219-225. Ref. Nov./Dec.1961. 420 F84B
Microctonus spp. (Braconidae), Howardula sp. (nematodes), Entomophthoraceae, and Gregarina endoparasitic on Aphthona euphorbiae and Longitarsus parvulus.

82280 KASCHEF, A. H. The biology and behaviour of the common Egyptian Trogoderma [granarium] afrum Priesner (Coleoptera : Dermestidae). Soc. Ent. d'Egypte. B. 45:455-470. Ref. 1961. 420 Eg9

82281 KHALIFA, A., and BADAWY, A. Food preference of Trogoderma granarium granarium Everts, Trogoderma granarium afrum Priesner and Trogoderma irroratum Reitter and the effect of diet on their biology (Coleoptera: Dermestidae). Soc. Ent. d'Egypte. B. 45:251-261. 1961. 420 Eg9

82282 KHALIFA, A., and BADAWY, A. The identity of the Trogoderma of the Sudan (Coleoptera: Dermestidae). Soc. Ent. d'Egypte. B. 45:245-249. 1961. 420 Eg9
Trogoderma granarium granarium and T. g. afrum as a second subsp.; discusses hybrids.

82283 KISTNER, D. H. Euaesthetinae (Coleoptera Polyphaga) fam. Staphylinidae. Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 21:11-40. 1961. 460.43 K83Ex
Text in English.
Includes n. spp. in Doletica, Schatzmayrina, Stenaesthetus, and Edaphus.

82284 KNULL, J. N. Three new species of long-horned beetles from southern Texas with a key to the genus Obrium (Coleoptera: Cerambycidae). Ohio J. Sci. 62(2):105-107. Mar.1962. 410 Oh3
New spp. in Gymnopsyra, Brachysomida, and Obrium.

82285 KOCHER, L. Catalogue commente des coleopteres du Maroc. IX. Rhynchophores [Annotated catalogue of the Coleoptera of Morocco. IX. Rhynchophora]. Rabat, 1961. 263 p. (Rabat. Institut Scientifique Cherifien. Serie Zoologie, No. 24) 427 K81C

82286 KOYAMA, N. Epilachna lady beetles in Nagano prefecture. II-IV. (Ja) New Ent. 10(1):1-6; (2): 1-6; (3/4):1-17,maps. Apr.1961-Mar.1962. 421 N42

82287 KRAHMER, M. W. Three Chrysomelidae from Brockel, Kreis Rotenburg, Hanover (Col.). (Ge) Bombus 2(24/26):96-97. Apr.15,1961. 421 B633
Gastroidea viridula, G. polygoni, and Phyllotreta armoraciae.

82288 KULZER, H. New Tenebrionidae from South America (Col.). 23d contribution to the knowledge of the Tenebrionidae. (Ge) Mus. G. Frey. Ent. Arb. 13(1):79-100. 1962. 420 M923
Includes n. spp. in Peltolobus, Cardigenius, Epipedonata, Scotobius, Praocis, Oligocara, Ulosonia, and Apocrypha.

82289 KUSCHEL, G. Some notes on the cossonine genus Caulophilus Wollaston with a key to the species (Coleoptera: Curculionidae). Coleopterists' B. 16(1):1-4. Mar.1962. 421 C674

82290 LAGAR MASCARO, A. Notes on the Dytiscidae. VII. Critical or interesting species of the Iberian fauna. (Sp) Graellsia 19(1/3):87-89. Jan./June 1961. 421 G75

82291 LEVASSEUR, L. Contribution to the knowledge of the staphylinid bettles of black Africa. 1. (Fr) Soc. Ent. de France. B. 66(9/10):233-243. Nov./Dec.1961. 420 F84B
New spp. in Philonthus.

82292 LEVASSEUR, L. Contribution to the knowledge of the staphylinid beetles of black Africa. 2. Two Jeanneliusa new to Katanga. (Fr) Inst. Franc. d'Afrique Noire. B. Sér. A, Sci. Nat. 24 (2):439-442. Apr.1962. 515 D14
Includes n. spp.

82293 LINSLEY, E. G. The Cerambycidae of North America. II. Taxonomy and classification of the Parandrinae, Prioninae, Spondylinae, and Aseminae. Calif. U. P. Ent. 19,103 p.,maps. 1962. 500 C125E

82294 LINSLEY, E. G. The Cerambycidae of North America. III. Taxonomy and classification of the subfamily Cerambycinae, tribes Opsimini through Megaderini. Calif. U. P. Ent. 20,188 p., maps. 1962. 500 C125E
Includes Smodicini, Methiini, Achrysonini, Graciliini, Hesperophanini, Purpuricenini, Pteroplatini, Trachyderini, and Lissonotini, Megaderini, Rhodoleptus n. g., and Knulliana n. n.

82295 LINSLEY, E. G., and CAZIER, M. A. A note on the attraction of Stenaspis solitaria (Say) and other insects to Senecio longilobus, a range plant highly toxic to livestock. Canad. Ent. 94 (7):745-748. July 1962. 421 C16

82296 LOPTIN, I. K. A new family of Coleoptera (Sogdiidae, fam. nov.) from Tadzhikistan. Akad. Nauk Tadzhikskoi SSR. Otd. Sel'skokhoz. i Biol. Nauk. Izv. 1:121-125. 1961. 20 Ak132
Text in Russian and English.
Includes Sogda pavlovskii n. sp., n. g.

82297 LOWE, A. D. Aphodius tasmaniae Hope in Canterbury [New Zealand]. New Zeal. Ent. 2(6):16-17. Dec.1961. 421 N48

82298 LUDWIG, D., FIORE, C., and JONES, C. R. Physiological comparisons between offspring of the yellow mealworm, Tenebrio molitor, obtained from young and from old parents. Ent. Soc. Amer. Ann. 55(4):439-442. Ref. July 1962. 420 En82
Includes enzyme activities.

82299 MCDERMOTT, F. A. Illustrations of the aedeagi of the Lampyridae (Coleoptera). Coleopterists' B. 16(1):21-27. Ref. Mar.1962. 421 C674
Includes discussion of taxonomic significance.

82300 MARCHAL, P. Contribution to the study of fauna of the Lyons region (Coleoptera). (Fr) Soc. Linn. de Lyon. B. Mens. 30(3):48-50. Mar.1961. 505 L992B

82301 MARCUZZI, G. Experimental observations on water exchange in Tenebrio militor L. (Coleoptera). (It) Accad. Naz. dei Lincei. Cl. di Sci. Fis. Mat. e Nat. Atti. Rend. (ser.8)31(1/2):72-79. Ref. July/Aug.1961. 507 R66

82302 MARSH, G. A., and SCHUSTER, R. O. A revision of the genus Sonoma Casey (Coleoptera: Pselaphidae). Coleopterists' B. 16(2):33-56, maps. Ref. June 1962. 421 C674
Includes n. spp.

82303 MARTINEZ, A. Paleophileurus sclateri (Bates) in Bolivia (Col. Scarab. Dynastinae). (Sp) Soc. Ent. Argentina. Rev. 23(1/4):16. Jan./Dec.1960, pub.1962. 420 So14

82304 MATEU, J. Some Microlestes Schmidt-Goeb. (Col. Carabidae) collected in Iran by J. Théodoridés and Y. Golvan. (Fr) Vie et Milieu 12(3): 529-536. 1961. 442.8 V67
Includes n. spp.

82305 MAY, B. M. The occurrence of the Tasmanian grass grub Aphodius tasmaniae Hope (Coleoptera: Aphodiinae) in Auckland. New Zeal. Ent. 2(6):12-15. Dec.1961. 421 N48
Pasture pest; compared with other beetle larvae of same habitat.

82306 MEGGIOLARO, G. Description of a new Pselaphidae from Iran; 12th contribution to the knowledge of the Coleoptera Pselaphidae. (It) Venice. Mus. Civico di Storia Nat. B. 14:53-56. 1961,pub.1962. 410.9 So126
Brachygluta giordanii n. sp.

82307 MICHALSKI, J. Organ strydulacyjny jako drugorzedna cecha plciowa u kornika szesciozebnego, Ips sexdentatus Boern. (Coleoptera, Scolytidae). The stridulating organ as a secondary sexual character in Ips sexdentatus Boern. (Coleoptera, Scolytidae). Polska Akad. Nauk. Inst. Zool. Ann. Zool. 20(4):27-33. Dec.31, 1961. 410.9 W26
English summary.

82308 MIZUNO, K. Ecological studies on the bark beetles attacking the fir trees. 1. Strikes on the bark and the egg laying activity of beetles. (Ja) Jap. J. Ecol. 12(1):40-41. Feb.1962. 410 J272

82309 MONRO, H. A. U., DUMAS, T., and BUCKLAND, C. T. The respiration of insects at reduced pressures. I. The expiration of carbon dioxide by Tenebrioides mauritanicus (L.). Ent. Expt. et Appl. 5(2):79-87. 1962. 421 En895

82310 MORIMOTO, K. Preliminary check list of the families Curculionidae and Rhynchophoridae of Japan. II. Kyushu U. Facul. Agr. Sci. B. 19 (3):341-368. Mar.1962. 107.6 K995B
Text in Latin and Japanese.

82311 NAKAMURA, S. Observations on some habits of Aulaconotus pachypzoides (Cerambycidae, (Col.). (Ja) New Ent. 10(3/4):28-30. Mar. 1962. 421 N42

82312 NEBOISS, A. Additions and corrections to the Check List of Australian Elateridae (Coleoptera). Melbourne. Natl. Mus. Victoria. Mem. 22(pt.10),29 p. Ref. June 12,1961. 514 M484

82313 NICOLAS, J. P., and NICOLAS, J. L. Capture of Strangalia arcuata Panz. (Coleoptera, Cerambycidae) at the Côte-d'Or. (Fr) Soc. Linn. de Lyon. B. Mens. 30(4):87-88. Apr.1961. 505 L992B

82314 OHNO, M. A new genus Zipanginia, with the descriptions of a new species and a new subspecies (Coleoptera, Chrysomelidae, Alticinae). Annot. Zool. Jap. 35(1):23-28. Mar.1962. 410 An79
Includes Zipanginia loochooensis n. sp.

82315 OHNO, M. On the scientific name of Azalea granulated leaf-beetle (Coleoptera, Chrysomelidae, Chlamisinae). (Ja) New Ent. 10(3/4):22-27. Mar.1962. 421 N42
English summary.
Chlamisus laticollis (misidentified as C. spilotus) on Rhododendron spp. compared with C. spilotus on various ornamental trees, but not Rhododendron.

82316 PARK, O. A review of the genus Ramecia (Coleoptera: Pselaphidae). Ohio J. Sci. 62(3):150-156. Ref. May 1962. 410 Oh3
Includes Ramecia mendica n. sp.

82317 PETROVITZ, R. New and misunderstood Aphodiinae from all parts of the world (Col. Scarab.). III. (Ge) Mus. G. Frey. Ent. Arb. 13 (1):101-131. 1962. 420 M923
Includes n. spp. in Aphodius, Aphodius, (Nolicus) n. sgen., Pseudoxyomus n. g., Mysarus n. g., and Ataenius.

82318 PETROVITZ, R. Scarabaeidae (Col.). II. (Ge) Fysiografiska Sallsk., Lund. Förhandl. 31:31-45. 1961,pub.1962. 502 L97F
Includes new spp. in Onthophagus and Aphodius from Afghanistan.

82319 PRICE, A. Dytiscus marginalis L. (Col., Dytiscidae) in copulation under ice. Ent. Mon. Mag. 98(1173):48. Feb.1962. 421 En86
Includes other aquatic insects from Great Britain.

82320 PRIMAULT, B. The possibilities of development of the Japanese cockchafer [Popillia japonica] in Switzerland. (Fr) Schweiz. Ent. Gesell. Mitt. 34(4):377-381,maps. Mar.25,1962. 420 Sw6
In view of possible introduction of this pest.

82321 RASMUSSEN, S. Effects of the microclimate on the growth and metamorphosis of Hylotrupes in Denmark. Oikos 12(2):173-194. Ref. 1961. 410 Oi4
Effects of temperature on Hylotrupes bajulus larvae.

82322 REID, R. W. Biology of the mountain pine beetle, Dendroctonus monticolae Hopkins, in the East Kootenay Region of British Columbia. I. Life cycle, brood development, and flight periods. Canad. Ent. 94(5):531-538. May 1962. 421 C16
Includes effects of temperature and light.

82323 REID, R. W. Biology of the mountain pine beetle, Dendroctonus monticolae Hopkins, in the East Kootenay Region of British Columbia. II. Behaviour in the host, fecundity, and internal changes in the female. Canad. Ent. 94(6):605-613. June 1962. 421 C16

82324 RIVALIER, E. A cicindelid new for the African fauna: Myriochile mirei n. sp. (Col.). (Fr) Soc. Ent. de France. B. 66(9/10):243-246. Nov./Dec.1961. 420 F84B

82325 RYAN, R. B. A device for measuring the oviposition potential of a bark beetle parasite. Canad. Ent. 94(7):737-738. July 1962. 421 C16
Coeliodes brunneri parasitic on Dendroctonus pseudotsugae.

82326 SCHEDL, K. E. Scolytidae and Platypodidae from the Australia-Polynesian Region; 206th contribution to the morphology and systematics of the Scolytoidea. (Ge) Mus. G. Frey. Ent. Arb. 13(1):72-78. 1962. 420 M923
Includes n. spp. in Pachycotes, Crossotarsus, and Platypus.

82327 SCHEDL, K. E. Synonymies of bark beetles. VII. 204th contribution to the morphology and taxonomy of the Scolytoidea. Ann. & Mag. Nat. Hist. 4(47):697-699. Nov.1961. 410 An77
Errors in identification pointed out in M. Nunberg's article "Zur Kenntnis der malayischen und aethiopischen Borken- und Kernkaferfauna" in Ann. & Mag. Nat. Hist. (ser.13)3 (34):609-632. Oct.1960.

82328 SILVANO, C. Note on the genus Oochrotus Luc; seventh contribution to the study of the Tenebrionidae. (It) Venice. Mus. Civico di Storia Nat. B. 14:7-27. 1961,pub.1962. 410.9 So126
Includes Oochrotus laurae n. sp.

82329 SMITH, D. N. A note on the longevity and behaviour of adult golden buptrestids, Buprestis aurulenta L. (Coleoptera: Buprestidae) under artifical conditions. Canad. Ent. 94(6):672. June 1962. 421 C16
In structural wood of Canadian log house.

82330 SMITH, D. N. Prolonged larval development in Buprestis aurulenta L. (Coleoptera: Buprestidae); a review with new cases. Canad. Ent. 94 (6):586-593. Ref. June 1962. 421 C16
In wood and buildings.

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CONTENTS

	Item
PLANT SCIENCE	86282-89440
General	86282
Systematic and Geographic Botany	86386
General	86386
Spermatophytes	86413
Pteridophytes	86523
Bryophytes	86528
Algae	86531
Fungi (Including Lichens)	86547
Pathology	86599
General	86599
Diseases Caused by Fungi	86727
Diseases Caused by Bacteria	86971
Viruses and Virus Diseases	86996
Diseases Caused by Nematodes	87101
Ecology	87137
Morphology, Anatomy, and Cytology	87235
Genetics	87380
Physiology	87481
Biochemistry	88097
Field Crops	88254
General	88254
Cereals	88309
Fiber Crops	88464
Forage Crops and Grasses	88494
Oil Crops	88714
Sugar Crops	88728
Tobacco	88786
Horticultural Crops	88811
General	88811
Fruits—General	88826
Fruits—Citrus and Subtropical	88856
Fruits—Deciduous	88884
Fruits—Small	88926
Nuts	88974
Shade Trees and Ornamental Plants	88982
Vegetable and Truck Crops (Including Potatoes)	89111
Weeds and Poisonous Plants	89245
Miscellaneous Economic Plants (Drug, Dye, Rubber, etc.)	89407
SOILS AND FERTILIZERS	89441-89961
Soil Science	89441
Soil Physics	89447
Soil Chemistry and Mineralogy	89476
Soil Biology	89531
Soil-Plant-Animal Relationships	89565
Soil Genesis, Formation, Classification, and Mapping	89566
Soil Management	89618
Soil Fertility	89628
Soil Tilth and Tillage	89788
Drainage, Irrigation, Water Supply, and Flood Control	89819
Erosion and Erosion Control	89900
Sanitation	
Materials for Soil Improvement	89926
Chemical Fertilizers	89927
Mineral Soil Amendments	
Fertilizer Technology and Statistics	89930
Manures and Composts	89952
FORESTRY	89962-90493
General	89962
Education	90018
Policies, Programs, Administration	90023
Legislation and Taxation	90038
Forest Description and Resources	90040
Forest Management and Finance	90052
Farm Woodlands	90074
Mensuration, Surveying, Photogrammetry	90080
Silviculture	90107
Silvicultural Practices	90147
Regeneration and Breeding	90173
Forest Protection and Damage	90255
Fire	90268
Forest Influences	90276
Miscellaneous Forest Uses	90286
Forest Industries and Trade	90291
Lumbering and Logging	90298
Sawmills	90329
Processing and Woodworking	90341
Seasoning, Conditioning, and Finishing	90343
Wood Preservation and Damage	90352
Forest Products	90365
Lumber and Rough Products	90379
Construction	90388
Veneers, Plywood, and Adhesives	90392
Furniture	90408
Containers	
Pulp and Paper	90409
Chemical Products and Distillates	90431
Naval Stores	90437
Other Forest Products	90440
Wood Technology	90444
Properties and Structure	90458
ANIMAL INDUSTRY	90494-91939
Breeds and Breeding	90494
Feeds and Feeding	90509
Veterinary Medicine	90565
Miscellaneous	90769
Cattle	90806
Breeds and Breeding	90806
Feeds and Feeding	90884
Veterinary Medicine	90957
Miscellaneous	91144
Dogs and Cats	91176
Breeds and Breeding	
Feeds and Feeding	91176
Veterinary Medicine	91178
Miscellaneous	91271
Fur Animals - Pen Raised	91276
Breeds and Breeding	91276
Feeds and Feeding	91279
Veterinary Medicine	91283
Miscellaneous	91288
Horses and Mules	91290
Breeds and Breeding	91290
Feeds and Feeding	
Veterinary Medicine	91302
Miscellaneous	91327
Laboratory Animals, Small	91336
Breeds and Breeding	91336
Feeds and Feeding	91338
Veterinary Medicine	91339
Miscellaneous	91351
Poultry	91352
Breeds and Breeding	91352
Feeds and Feeding	91381
Veterinary Medicine	91468
Miscellaneous	91562
Rabbits	91606
Breeds and Breeding	
Feeds and Feeding	91606
Veterinary Medicine	91607
Miscellaneous	91619
Sheep and Goats	91620
Breeds and Breeding	91620
Feeds and Feeding	91650
Veterinary Medicine	91673
Miscellaneous	91739
Swine	91753
Breeds and Breeding	91753
Feeds and Feeding	91786
Veterinary Medicine	91824
Miscellaneous	91925
ENTOMOLOGY	91940-92675
General	91940
Economic	91945
General	91945
Medical and Veterinary Pests	91996
Pests of Field and Truck Crops	92057
Pests of Fruit and Nut Crops	92142
Pests of Ornamentals, Greenhouses, and Nurseries	92198
Pests of Stored Products and Processed Commodities	92204
Pests of Trees and Wood Products	92218
Apiculture and Apis Mellifera	92252
Sericulture and the Silkworm	92288
Taxonomic, Geographic, and Biological	92295
General	92295
Arachnida, Myriapoda, etc.	92316
Coleoptera	92343
Diptera	92421
Culicidae	92479
Hemiptera (Heteroptera and Homoptera)	92489
Hymenoptera	92530
Lepidoptera	92569
Orthoptera	92630
Smaller Orders	92647
AGRICULTURAL ENGINEERING	92676-93018
General and Miscellaneous	92676
Farm Machines and Equipment	92685
Animal Husbandry Equipment	92733
Cultivation and Tillage Equipment	92748
Fertilizing and Planting Equipment	92778
Harvesting Equipment	92794
Land Clearing Equipment	
Processing Equipment Used on the Farm	92865
Repair, Maintenance, and Construction Equipment	92906
Spraying and Dusting Equipment	92910
Vehicles	92918
Farm Structures and Rural Housing	92954
Animal Shelters and Animal Service Buildings	92957
Farmhouses and Farmsteads	92983
Greenhouses and Plant Service Buildings	92988
Materials and Methods	92992
Storage Structures	92994
Walls and Fences	
Farm Utilities	93003
Electricity and Electrification	93003
Heating, Lighting, and Radiation	93011
Power Plants, Motors, and Engines on the Farm	93013
Sewage and Waste Disposal	93016
Telephones	
Water Supply	93017

	Item
AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION AND STATISTICS	93019-94115
General	93019
Analysis and Composition	93029
Consumption and Utilization	93055
Distribution, Marketing, and Transportation	93056
Grading, Inspection, Standardization, and Quality	93085
Packing and Packaging	93102
Prices, Price Control, and Rationing	93116
Processing and Storage	93140
Statistics	93171
Beverages and Condiments	93197
Dairy Products	93253
Analysis and Composition	93289
Consumption and Utilization	93332
Distribution, Marketing, and Transportation	93338
Grading, Inspection, Standardization, and Quality	93353
Packing and Packaging	93376
Prices, Price Control, and Rationing	93382
Processing and Storage	93384
Statistics	93440
Feed and Forage Crops	93443
Fibers and Textiles	93479
Fruits, Vegetables, and Nuts	93528
Analysis and Composition	93554
Consumption and Utilization	93572
Distribution, Marketing, and Transportation	93578
Grading, Inspection, Standardization, and Quality	93956
Packing and Packaging	93611
Prices, Price Control, and Rationing	93619
Processing and Storage	93621
Statistics	93676
Grain and Grain Products	93681
Honey and Beeswax	93760
Livestock and Livestock Products	93771
Analysis and Composition	93804
Consumption and Utilization	93824
Distribution, Marketing, and Transportation	93829
Grading, Inspection, Standardization, and Quality	93849
Packing and Packaging	93858
Prices, Price Control, and Rationing	93859
Processing and Storage	93864
Statistics	93885
Oils and Oilseeds	93894
Poultry and Poultry Products	93943
Rubber and Rubber Substitutes	93997
Seeds	94002
Sugar and Sirups	94024
Tobacco	94083
Miscellaneous Products	94098
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY	94116-94800
General	94116
Agricultural Finance	94158
Credit	94173
Income	94188
Inflation	
Insurance	94192
Taxation	94195
Agricultural Labor and Wages	94203
Agriculture - Situation, Policies, and Programs	94260
Subsidies	94344
Cost and Standard of Living	
Farm Management and Land Economics	94347
Bookkeeping and Records	94462
Costs and Returns	94475
Land Settlement and Colonization	94531
Land Tenure	94535
Land Utilization	94570
Land Values and Valuation	94604
Population	94610
Rural Social Organization	94616
Human Ecology	94627
Institutions	94638
Leadership	
Rural Organizations and Movements	94706
Cooperative Organizations	94719
Rural Social Psychology	94737
Trade, Foreign and International	94743
FOOD AND HUMAN NUTRITION	94801-94830
General	94801
Food Habits	
Nutritive and Vitamin Content	94817
MISCELLANEOUS	94831-94968
General	94831
Biography	94877
History	94923
Home Management	94933
International Relations	94934
Meteorology	94936
Personnel	
Research	94941
Statistics	94963
NEW PERIODICALS AND SERIALS	p. 254
TRANSLATIONS	p. 255
U. S. D. A. PUBLICATIONS	p. 275
STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p. 282
STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p. 288
FAO PUBLICATIONS	p. 289

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92144 BESEMER, A. F. H., and IMMIKHUIZEN, E. Control of Nepticula. (Du) Fruitteelt 52(6): 212-213. Feb.1962. 86 N28
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92148 CHOUDHURI, J. C. B. Preliminary investigation on the insect pests of cashew plantations in Kerala. Indian Forester 88(7):516-522. July 1962. 99.8 In2
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92163 LAZAREVIC, B. Contribution to the knowledge concerning Sciaphobus squalidus Gyll. (Se) Zastita Bilja 62:105-116. 1960. 464.8 Z1
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92181 RUSSO, G. The chemical fight against the olive fly (Dacus oleae). (It) Portici. Lab. di Ent. Agr. "Filippo Silvestri." B. 19:358-362. 1961. 420 P82B

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92183 SIMUNIC, I. Comparative investigations of attractive means (baits) for Mediterranean fruit fly (Ceratitis capitata Wied.). (Se) Zaštita Bilja 62:49-59. 1960. 464.8 Z1
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Pest of fruit orchards.

92185 SOKOLOVSKAYA, T. I. Methods of determining and evaluating the Phylloxera-resistance of grape varieties. (Rus) In Gorlenko, M. V., ed. Immunitet rastenii k boleznyam i vreditelyam, p.222-227. 1961. 464.41 G67

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92188 TERRAZAS LOYOLA, J. Introduction to the study of the biology and control of Lema nigrovittata (Guerín) in Chapingo, Méx. (Sp) Fitófilo 14(31):33-39. July/Sept.1961. 421 F55
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92189 TSVETKOV, D., TOSHEVA, TS., and ILKOV, V. Results in the control of plum fruitworm, Grapholitha funebrana Tr. by means of thermomechanical aerosols. (Bu) Rast. Zashch. 1961. (6):27-35. 423.92 So2
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92190 UL'YANITSKAYA, M. V. Results of the use of a laboratory-field method for the rapid determination of the resistance to Phylloxera of hybrid forms of grapes. (Rus) In Gorlenko, M. V., ed. Immunitet rastenii k boleznyam i vreditelyam, p.218-221. 1961. 464.41 G67

92191 WILSON, K., and GOLDSMID, J. M. Rhodesian citrus pests and their control. Rhodesia Agr. J. 59(2):41-61. Ref. Mar./Apr.1962. 24 R34

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92197 ZOTOV, V. V. The Phylloxera-resistance of grapes and ways of increasing it. (Rus) In Gorlenko, M. V., ed. Immunitet rastenii k boleznyam i vreditelyam, p.228-233. 1961. 464.41 G67

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92199 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Bulb scale mite. Gt. Brit. Min. Agr. Fisheries & Food. Adv. L. 456, rev.,4 p. June 1962. 10 G76La
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92200 JOHNSON, W. T., and RUSSELL, L. M. The black citrus aphid, Toxoptera aurantii (Fonscolombe), in Maryland (Homoptera: Aphidae). Ent. Soc. Wash. Proc. 64(2):90. June 1962. 420 W27
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92201 POPOVKINA, L. M. Most common pests of house plants and their control. (Uk) Obmin Dosvidom po Zelenomu Budivnytstvu 2:166-169. 1961. 98.8 Ob4

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92203 UICHANCO, L. B. Note: control of Nymphaea leafworm with oil-based dieldrin. Philippine Agr. 45(9):533-534. Feb.1962. 25 P542

Pests of Stored Products and Processed Commodities

92204 COTTON, R. T. Heating of stored grain by insects. Nowest Miller 267(3):36,38-39. Ref. Aug.6,1962. 298.8 N81

92205 COTTON, R. T. The lesser grain borer [Rhysopertha dominica]—strict sanitation controls this pest. Nowest. Miller 267(4):40-42. Aug.20,1962. 298.8 N81

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92208 KAITAZOV, A. Experiments on fumigation with methylbromide. (Bu) Rast. Zasch. 1962(1): 60-66. 423.92 So2
English summary.
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92211 KURTZ, O. L. Report on analytical entomology of foods and drugs. Assoc. Off. Agr. Chem. J. 45(3):662-664. Aug.1962. 381 As7
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92212 PRATT, H. D., and SCOTT, H. G. A key to some beetles commonly found in stored foods; correction. Ent. Soc. Wash. Proc. 64(2):134. June 1962. 420 W27

92213 RAMIREZ GENEL, M. Two new grain protectors for temperate and tropical zones. (Sp) Agr. Téc. en Méx. 12:25-27. 1961/62. 8 Ag839
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92214 SINGH, H. Tackling pests of stored grain. Indian Farming 12(1):5-7,25. Apr.1962. 22 In283
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92215 SMITH, C. N. Modern insect control in the processing plant. South. Dairy Prod. J. 72(2): 36-37,82. Aug.1962. 44.8 So83

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92218 ANDRIANOVA, N. S. Protection of forest plantations on Chestnut soils from pests. (Rus) Polezashch. Lesorazved. na Kashtanovykh Poch. 1:137-186. Ref. 1961. 99.8 P75
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92219 BELLIS, E. DE, and CAVALCASELLE, B. Control tests with phosphoric esters against poplar weevil (Cryptorrhynchus lapathi L.) larvae. (It) Ente Naz. per la Cell. e per la Carta. Cent. di Sper. Agr. e Forest. P. 5:183-196. Ref. 1961,pub.1962. 16 C332
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92220 BOIKOV, A. Parasites of Cacoecia xylosteana [i.e. Archips xylosteanus] L. (Bu) Rast. Zashch. 1961(6):47-48. 423.92 So2
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92221 BROWN, L. P. Defoliation in 1962. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 19(3):10-11. Aug.1962. 99.9 So13N
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92222 CHISHOLM, R. D., KOBLITSKY, L., and WESTLAKE, W. E. The estimation of aldrin and chlordane residues in soils treated for termite control. Pest Control 30(8):48,50,52-53, 66. Aug.1962. 449.8 Ex8

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Hymenoptera

SEE ALSO Apiculture and Apis mellifera.

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INDEXES DECEMBER 1962 VOL. 26, No. 12

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Vol. 26 December 1962 No. 12

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Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science
Soils and Fertilizers
Forestry
Animal Industry
Entomology
Agricultural Engineering
Agricultural Products
Agricultural Economics and Rural Sociology
Food and Human Nutrition
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials
Translations
USDA Publications
State Agricultural Experiment Station Publications
State Agricultural Extension Service Publications
Food and Agriculture Organization of the UN (FAO) Publications

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Ljubo Lulich
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Bibliographers

Elisabeth B. Burch
Helene G. Cushman
Elizabeth M. Dolina
Elinor E. Dunnigan
Mary Louise Engel
John B. Forbes
Eli Hareide
Helen E. Hennefrund
Signe R. Ottersen
Otto Wilkins
Maria Z. Woroniak

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BIBLIOGRAPHY OF AGRICULTURE

Vol. 26 1962

CONTENTS

			Item
Plant Science	1–2005	8114–9975	
	15621–17863	23851–26004	32618–35089
	41237–43881	49901–52366	58478–61036
	67292–70162	76816–78268	86282–89440
Soils and Fertilizers	2006–2537	9976–10514	
	17864–18622	26005–26657	35091–35619
	43882–44537	52367–53101	61037–61670
	70163–70936	78269–79048	89441–89961
Forestry	2538–3011	10515–11139	
	18623–19353	26658–27204	35620–36148
	44538–45166	53102–53739	61671–62254
	70937–71619	79049–79628	89962–90493
Animal Industry	3012–4306	11140–12314	
	19354–20549	27205–28733	36149–37430
	45167–46300	53740–55154	62255–63697
	71620–73058	79629–81351	90494–91939
Entomology	4307–5658	12315–13102	
	20550–21516	28734–29818	37431–38593
	46301–47261	55155–56047	63698–64744
	73059–73917	81352–82917	91940–92675
Agricultural Engineering	5659–5913	13103–13423	
	21517–21767	29819–30104	38594–38869
	47262–47622	56048–56325	64745–65049
	73918–74380	82918–83299	92676–93018

			Item
Agricultural Products: Processing, Distribution, and Statistics	5914–7333	13424–14658	
	21768–22951	30105–31650	38870–40237
	47623–48987	53626–57620	65050–66304
	74381–75810	83300–85138	93019–94115
Agricultural Economics and Rural Sociology	7334–7927	14659–15412	
	22952–23644	31651–32418	40238–41039
	48988–49647	57621–58306	66305–67102
	75811–76581	85139–86035	94116–94800
Food and Human Nutrition	7928–7970	15413–15482	
	23645–23706	32419–32484	41040–41079
	49648–49744	58307–58354	67103–67143
	76582–76644	86036–86097	94801–94830
Miscellaneous	7971–8113	15483–15620	
	23707–23850	32485–32617	41080–41236
	49745–49900	58355–58477	67144–67291
	76645–76815	86098–86281	94831–94968

New Periodicals and Serials

Translations

United States Department of Agriculture Publications

State Agricultural Experiment Station Publications

State Agricultural Extension Service Publications

Food and Agriculture Organization of the United Nations

AUTHOR AND SUBJECT INDEXES

	Item
Aa E R van der	94743
Aa R von der	45236
	66924
Aach H G	16111
	41959
Aaes-Jørgensen E	15413
Aafjes J H	11540
Aagesen A	40769
Aalders L E	1710
	8805
	16435
	50831
Aaltoonen A	58207
Aalund O	3526
Aamdal J	55054
Aamisepp M	8995
Aamo E S	5780
Aamodt H	52634
Aamodt T T	20802
Aandahl A R	18247
	57125
Aanonsen A	50255
	60737
Aaron T D	14210
Aaronson S	33819
Aartsen B van	5335
	5336
	55917
Aas K	5781
	74136
Aasen I	52690
Aaseth A	53166
Aaston M	43666
Aaver E	46218
	63613
Abad Boyra F	3600
	74003
	80478
Abad Flores O L	2372
Abad Manrique J B	42451
Abadie-Maumert F A	27111
	36023
	36044
Abakin S V	54910
Abarbarchuk I L	52458
Abarca Ruano M	4614
	57551
Abbas F	45665
Abbas H M	81613
Abbasov G	62627
Abbasov Ya	60926
Abbasov Yu	70491
Abbate A	3411
	27685
Abbayes H des	86547
Abbey F M	9688
Abbot J	13818
	48030
Abbot R C	57184
Abbott C W	74378
	93275
Abbott D L	69732
	77353
Abbott E V	50187
	50256
	50463
	50464
Abbott F D	60497
Abbott G A	2067
Abbott H G	2694
	4455
	18923
	35778
Abbott I A	41507
Abbott J	61651
Abbott J C	21808
	74449
	84904
	93056
Abbott P K	80782
Abbott U K	3811
	54784
	91505
Abd-el-Malek Y	10057
Abd el Rahman A A	42087
Abd-Elwahab F	90957
Abd-Elwahab M F	36680
Abdalla A	20360
Abdel-Akher M	75254
Abdel-Bar A A	52552
Abdel-Hak T	86951
Abdel-Malek A	63711
Abdel-Malek A A	12908
	21445
	38253
	82449
	82810
Abdel Salam M A	70232
Abdel-Wahab A M	24299
Abdel-Wahab M F	14442
	57322
	82449
	82810
Abdelrahman L	35359
Abderhalden R	83320
Abdinbekova A A	38360
Abdinov F	62710
Abdinov M	70702
Abdinov M M	78821
Abdo M S	11639
Abdon A A	57030
Abdrakhmanov S	70703
Abduev M R	2066
	70704
Abdullaev G	69476
Abdullaev I	73462
Abdullaev I K	1973
	29215
	37910
	37911
	42336
	73463
	87481
	88926
Abdullaev M V	28451
Abdullaev S G	41583
Abdullaeva T	69966
Abdullah M	20556
	37948
	46810
Abdullin V	76239
Abdullin V A	76222
Abdunazarov N Kh	3368
Abdurakhmanov A A	86413
Abdurashitov K	68548
Abdurashitov S A	25110
Abdurazakova S Kh	22901
Abduzhalalov A	70643
Abdymanapov S	9524
Abe F	2940
	71535
Abe G	12490
Abe H	75040
Abe I	68526
	85085
Abe K	43027
Abe M	42639
	61770
Abe T	11963
	27503
	86727
Abedin Q Z	25097
Abeels P	9930
Abeger Munoz A	54694
Abeijon Veloso J	86599
Abel B	77462
Abel F H	76055
Abel H H	91176
Abel J S	36000
Abel M E	21809
Abel W	54078
Abell H C	49854
	56057
	66305
	85792
Abell P N	67143
Abella A	77850
Abella M A	67980
Abercrombie B	3975
Abercrombie K C	7452
	14808
Aberdeen-Angus Cattle Society	11390
Aberdeen Angus Journal	36378
Aberdeen University Dept of Forestry	10604
Aberg B	54925
Aberg E	21611
	34341
Aberham H	8852
	8853
	87482
Abernathy G H	65579
Aberystwyth University College of Wales Dept of Agricultural Economics	23413
	23326
	23327
	23328
	23329
	57999
	76240
	76241
	76242
	76243
	85244
Welsh Plant Breeding Station	25416
	42337
	77416
	77851
Abetz K	2560
	2609
	44538
	44607
	44656
Abeywardena V	12811
Abgrall M	59519
Abibon	66306
Abiakamova A A	67764
Abidzhanov A A	63258
Abiko R	32076
	43210
Abinanti F R	3077
	3412
Abinoja B	82492
Abishev T K	70705
Ablakatova A A	8284
Ables J R	4209
	11538
Ablett R E	28074
Abney T S	32714
Abo-el-Dahab M K	22413
Abo-el-Ghar A	81834
Abo-el-Ghar M R	81361
	81614
Abol' I I	19302
Abolina A	15826
	58742
Abolina G I	26201
	59748
	68548
Abonnenc E	37559
Aborn E	30340
	83599
Abou-Chaar C I	9220
	16886
Aboul-Ela M M	16016
	18248
	29037
Abouzahra I A	16085
Abovyan A V	81239
Abplanalp H	3839
	20117
	46052
	72453
	91352
Abragam D R	14211
	84405
Abraham A	1284
	77354
Abraham J	28186
	71710
Abraham J J	70119
Abraham K J	33840
Abraham R	3760
	20069
	28092
Abraham R H	32151
Abrahamsen M A	15307
	32255
	38912
	58208
	66989
	67017
	94730
Abrahamson A E	47718
	84669
Abrahamson P E R	6744
Abrahao J	24188
	25959
	28968
	33120
	33145
	37692
Abramchuk A P	44298
Abramishvili G G	60738
Abramochkin V	63574
Abramochkin V A	27294
	55004
Abramov I I	201
	202
	203
Abramov I I--Cont	8285
Abramov I V	36888
	63801
Abramov M I	91607
Abramov N G	1904
	25873
Abramov Sh A	56529
	56538
Abramova A L	202
	203
	8285
Abramova T G	75964
Abramova Z	63875
Abramova Z V	59347
	68416
Abramovich K K	79081
Abramovich M M	74928
Abramovitch R A	9221
Abramovitz Z	15308
Abrams G	86146
Abrams G J von	52061
Abrams L	20182
	36974
	37004
	37113
Abrams R	8806
	81615
	87380
Abramson E	14212
	47719
Abramyan E G	81278
	84599
Abramyan R A	42088
Abreu	64400
Abreu M M M de A	
Abreu y Pidal J M	10861
	45177
Abrol B K	1978
	59951
Abrosimov V	57126
Abruna F	2325
	17828
	35160
	78552
Abshier G	23119
Abshier G S	32171
	32256
	32257
Abts H	45397
	54079
Abu-Gheida O M	92794
Abu-State A	48197
Abu Yaman I K	92057
Abuev M Sh	84137
	90565
Abueva A A	1291
Abul-Fetouh A H	26381
Abul-Hab J K	38254
Abul-Nasr S	81616
Abulkataeva Zh Kh	72078
Abusineina M E	80206
Abutalybov M G	24768
Abuzyarova R Ya	58478
Abyzov S S	26647
Acatay A	90147
Acauan B	1203
Accardi F	27227
	80207
Acedarac M	25686
	25687
	88982
Aceto N C	13720
	65494
	65497
Acevedo R	21855

	Item
Acevedo Ramos G	10341
	87483
Ach K H	14213
	14245
	75255
Achacoso A S	9305
	62589
Achan P D	4904
Achart J	92685
Acharya H G	73882
Achaval J C	23317
	76223
	76224
	94462
Achaya T	26735
Achenbach H	78849
Achenich W	26382
Acheson A W	83232
Achimescu C	61741
Achnelt E	36532
Achorn F P	10503
Achtemeier A R	32152
Achuthan C	55331
	55344
Acimovic M	33398
Acimovic M	67663
	86600
	86728
Acimovic V	89930
Acker D C	28441
Acker L	21774
	30124
Acker T S	5587
	20610
Ackerl F	10628
Ackerman A J	12382
Ackerman D P	90330
Ackerman E	39257
Ackerman E S	71726
Ackerman G A	71726
Ackerman J	12670
	66718
Ackerman R F	79144
	79265
Ackerman W L	1980
Ackermann A	32258
Ackermann E	66897
Ackermann I	12270
Ackermann O	11751
Ackers G K	50514
Ackers K D	93335
Ackerson C W	36533
Ackland M	5053
	38155
Ackley W B	74326
Acone P	81108
Acosta A C	86729
Acosta-Matienzo A	70036
	88795
Acree F	46309
Acres J	22779
Acuna J	67403
Aczel Gy	65050
Adachi C	17412
Adachi H	91302
Adachi S	6196
Adachi T	82209
Adair C R	17012
Adair J	36847
	63102
Adalberth S	79992
	80899
Adam Brother	12671
	29168
Adam A V	67981
Adam G	16959
	81240
Adam H	36214
Adam J	41237
	88494
Adam J G	23907
	41238
	41315
	76898
	76899
	86282
Adam J P	21251
	38187
	38269
	55247
	55829
	55834
	82450
Adam T	74265
	90884
Adam W	14561
Adamczyk B	78466
Adamczyk B W	70404
Adamec J	14809
Adamec Z	62711
Adames Bohorquez J E	17868
Adamik K	75715
Adamov I	69902
Adamovich E I	11114
	42175
	79608
Adams A J	52074
Adams A W	45902
Adams C A	5988
Adams C D	8190
	67404
	89245
Adams C E	63185
	91608
Adams C K	57197
Adams D	10479
Adams E	86317
Adams E P	50914
Adams E W	80208
Adams F	35282
Adams F L	27909
Adams F W	72492
Adams G A	19314
Adams H	13190
	64844
	73930
Adams H H	15819
Adams H R	31247
Adams H W	26383
Adams I	803
Adams J C	2449
	46176
Adams J E	68527
Adams J L	5853
	13420
	20139
	20306
	66146
	91376
Adams J N	87235
Adams J R	10154
	53071
	70897
	92421
Adams J S	76263
Adams J W	67405
Adams K	74762
Adams K A	2799
Adams K M	19368
	80695
Adams K N	22084
Adams L	942
	44785
	90080
Adams M V	16497
Adams M W	24683
Adams N H	1905
	29924
Adams O R	11824
	72401
	80641
Adams P	8646
	76920
Adams P B	50149
Adams R E	59223
Adams R L	36975
	63223
	72708
Adams R M	58442
Adams R S	10025
	27590
	65550
Adams S N	52691
	78553
Adams W E	26194
	35378
	44134
	52692
Adams W R	10629
Adams W V	11330
	79891
Adamson D	59348
Adamson J H	84770
Adamson R M	43776
Adamson R S	82
Adamyan L I	79643
Adao S M	34695
	65799
Adati S	76921
	77355
Adcock R E	13459
	13918
Addicott G	76077
Addis D G	11470
Addis M	54501
Addis S	7796
Addis-Smith L F	36889
Addleman H	37838
Addleman H E	55067
Addor A A	43312
Ade K	38832
Adee E H	4778
Adelaar T F	27301
	79736
Adelaide Botanic Garden	41239
Adelaide Institute of Medical and Veterinary Science	3078
Adelson S F	21800
	49648
	83373
Ademollo A	90566
Aden Customs and Excise Dept	67027
Aden Trade Dept	15348
Aderichin P G	17928
Adhikari S	1309
Adhikari S K	90431
Aderikhin P G	52635
Adiwinata R T	27857
Adkins G K	75256
Adkins J S	20142
	28187
	72489
Adkins K	3976
	49022
Adkins K L	83233
Adkins T R	46310
Adkisson P L	4606
	12468
	12523
	29627
	29628
	81617
	82805
Adlakha S C	36638
Adler E	36116
Adler H E	28323
	37093
	45946
Adler J H	27686
	28452
	31804
	63450
Adler T A	14214
Adlers L	12619
	35954
Adlerz W C	63876
Adolph R H	85628
Adomaitis V A	4345
Adomat R	79098
Adoyan A R	25688
Adrelianu I	78007
Adrian C R	7740
Adrian G	84343
Adrian J	45178
	49713
Adrian P A	5739
	13228
	64891
Adrianov S N	90173
Adsuar J	34949
	67982
	67983
	67984
Adt F	66990
Adveeva N V	66036
Adzhabyan A M	88464
	88465
Adzharova E	58522
	86332
Ae S A	73797
Aea R T F	84183
	84184
Aehnelt E	71888
	72079
Aellen P	32723
	58610
Aellen V	28839
Aerts R	50150
Aerts W	38361
Aeschbacher R	84600
Aeschlimann A	38007
Afanasenko S S	75716
Afanas'ev A D	74054
Afanas'ev A V	18924
Afanas'ev G V	2373
	70745
Afanas'ev I	26202
Afanas'ev N N	21689
Afanas'ev P A	90468
Afanas'ev Ya	54738
Afanas'eva E A	18129
Afanas'eva N G	59349
Afanas'eva T P	68932
Afanas'eva T V	70475
Afanasiev M M	41960
	44494
	59111
	59749
	77083
Afdal L	94347
Afendakis J	40899
Afendulov K P	2247
	59350
Aferina A	92815
Afful E N	13460
Afghanistan Ministry of Commerce	94745
Afonin Yu N	14951
Afonina A P	24189
Afonina A V	36965
	45879
Afonso A de A	7410
Afrakteh A K	7931
Africa T B	1324
Afrikyan B L	59750
Afrikyan E G	61113
Afsharpour F	82070
Aftenyuk G	76078
Afzal I	48158
Agababov E A	10342
	70706
Agababyan A A	83749
Agababyan V G	78325
Agababyan V Sh	87236
Agabeili A	62951
	80098
Agabeili A A	13676
	62526
Agadzhanov A	69495
Agaev A A	3454
Agaev A S	46470
Agaev B	74194
Agaev B M	87484
Agaev Yu M	59646
Agafonov I P	23238
Agafonov N P	78554
Agafonov O A	18340
Agafonov V N	72932
Agafonova Z Ya	64401
Agafontseva	87726
Agakhanyants O E	15685
	33457
	78467
Agakishiev D	33820
Agalina V G	43292
	60549
Aganovic N	90968
Agapie C	10155
Agapov A F	9797
Agapov V V	13668
Agapova M I	18353
Agapova Z A	20317
Agapushkina M P	93558
Agarkov V A	37614
	58915
	58916
	86730
Agarkova N T	18613
Agaronyan A G	89283
Agarpovich Zh A	81444
Agarwal A N	85541
Agarwal D P	34245
Agarwal G P	41527
	58766
Agarwal H C	5054
Agarwal K K	91388
Agarwal P N	62200
Agarwal R R	10437
	52636
	70233
Agarwal S	16273
	16283
	33579

Agarwal S C 28453, 60277
Agarwala O P 3232, 20432
Agarwala S C 24769, 42452
Agarwala V 58243
Agassiz C 15123
Agata M 16324
Agata W 24864
Agatova A I 75257
Agazzi G 38063, 38064
Agee D E 7678
Agee E L 34701
Ageenko A S 53167
Ageev L E 83035
Ageev V V 61327
Ageeva L S 63652
Agena M U 14215
Agenjo R 29629, 38425, 82657, 82658
Agenjo Cecilia C 56734
Agenor F 63224
Ager B H 2800, 35907, 53505, 90298
Agerberg L S 10232, 52694, 61041, 78555, 88254, 89628
Agerter S R 21
Agganas P B 63210
Aggarwal J S 6694, 7104, 30965, 66128, 66135
Aggarwala A C 79969, 83739
Aggarwala J C 90409
Agger E 17297
Aggradi M F 7334, 31784
Agh L 52695
Aghion J 86334
Aghoramurty K 60277
Aglibut A P 42648
Agnew A D Q 50012
Agnew J D 73883
Agnihothrudu V 32988, 52580
Agnihotri J P 59013, 67632
Agnihotri V P 24770, 87485, 87486
Agor A B 18249
Agosin M 37529
Agostini D 49112, 49577
Agostini R 10652
Agostinis A 30341
Agpalza S C 63233
Agra-Presse 85474
Agrarsoziale Gesellschaft 23383, 76358
Agrawal G K 26384
Agrawal H 59112, 67985
Agrawal U 4956
Agrawala V 7239, 23066, 23120
Agre N S 61186, 68208
Agresti A 3413, 3414, 3514
Agricultura de las Americas 78134
Agricultural Ammonia Institute 78556
Agricultural Bank of Iran 7378
Agricultural Bank of Tasmania 22995
Agricultural Bur of New South Wales 14810
Agricultural Central Co-operative Association 15309
Agricultural Credit Bank of Trinidad and Tobago 14694
Agricultural Industries Forum 13113
Agricultural Institute of Canada 67144
Agricultural Machinery Journal 8084
Agricultural Outlook Conference 31785
Agricultural Pesticide Technical Society 67664
Agricultural Research Institute (U S) SEE National Research Council Agricultural Research Institute
Agricultural Society of Trinidad and Tobago 23532
Agrifolio J C 31006
Agrimi P 20369
Agrinskii N I 62332, 90675
Agrod A I 59751
Agrons B Z 79363
Agrosnabditel Skopje 2374
Agsteribbe E 8267
Agtani T 18925
Aguera Fernandez F 47810
Aguggini G 28454
Aguiar H de C 34472
Aguiar P A L de 56618
Aguila C H 88495
Aguilar J d' 38065, 46526
Aguilar Samper F 53740
Aguilar Yepez S 89731
Aguilo J 61593
Aguirre A 45896, 81183
Aguirre M J R 68209
Agulhon R 33160
Agul'nik M A 22613
Agurell S 88097
Ahari D 14590
Aharoni Y 15584
Ahearn D G 50118
Ahgren A 71075, 90107
Ahin H D 65774
Ahlberg O 42053
Ahlf 61479
Ahlgren H L 14811, 65378
Ahlgrimm H 74195
Ahlin R E 20143
Ahlrichs J L 35093
Ahlstrom A 10898
Ahlstrom C G 54666
Ahluwalia M 17049
Ahmad A 17132
Ahmad F 68528
Ahmad F-ud-D 81613
Ahmad G 71169
Ahmad M 17929, 26385
Ahmad M N 19290
Ahmad M S 61042
Ahmad N 10442, 18408, 26386, 26387, 53019
Ahmad N-ud-D 35454
Ahmad R 37693
Ahmad S H 48735, 48741
Ahmad S I 41347, 41528, 41529
Ahmad S N 48734
Ahmadjian V 24070, 59752
Ahman G 63095
Ahmed A 48231, 56892
Ahmed A A S 45570
Ahmed E M 22413
Ahmed G 10701
Ahmed K S 9221
Ahmed M 42453
Ahmed Q A 41799, 41931, 43005
Ahmed R 42453
Ahmed S 68529
Ahmed Z F 68247, 73079
Ahmedabad Textile Industry's Research Association 6452
Ahn G B 77356
Ahn P M 10101
Aho W A 72748, 91468, 91562, 92733
Ahrens E 68620
Ahrens J F 17637, 52160, 52161, 52162, 52163, 89246, 89247
Ahrens M C 29959
Ahrens P 56728
Ahring R M 9478, 59753
Ahshapanek D 33458
Ahti T 71334, 77007
Ahuja A 87237
Ahuja B S 25991
Ahuja J N 77757
Ahuja K G 77758
Ahuja L R 44135
Ahuja M R 33655
Ahuja N C 31786
Ahuja P R 26388
Ahuja S 36091
Ahuja S S 49745, 83521, 86066
Ahven R 62277
Ai F 52440
Aiba G G 51688, 68417
Aiba K 75611
Aichele H 15872
Aicher G W 94832
Aichmuller R 79266
Aidarova R A 8179
Aigner F D 85786
Aigner M 48031
Aikat J K 57648, 66374
Aiken G D 21741
Aiken M 24061
Aiken W C 10443
Aime G B 66098
Aines R O 21910, 30316, 94570
Ainley R G 5337, 64575
Aino S 2775
Ainscough P 21637
Ainsworth G C 3079, 41726
Ainsworth L 20205, 80783
Airapetyan E M 78923
Airapetyan V 67723
Airth J M 75496
Airth R L 77463, 87487
Airumyan A 14812
Aisen E A 72817
Aitken D F 57450
Aitken F C 63376
Aitken H C 21871, 57016, 57047
Aitken J B 29975
Aitken J B--Cont 56270, 72933
Aitken J L 11467
Aitken J R 3883, 11900, 12034, 45914, 72524, 72548, 72580
Aitken T H G 73176
Aitken T R 14256
Aitken Y 60498
Aiton E 57782
Aiton E W 7808
Aivazyan P K 25635, 34663, 42454, 51967
Aiyadurai S G 21601
Aiyer A K Y N 9931
Aizawa K 37912
Aizawa K 37913, 46700, 46701, 64203, 64204, 64205, 76698
Aizawa S 5908
Aizenberg A I 10918
Aizenman B Yu 70317
Aizenshtat Ya S 8807, 16408, 33753
Ajello L 52581
Ajia Keizai Kenkyusho 93997, 94116
Ajmerito G C 19983
Ajmerito G C 80524
Akademiet for de Tekniske Videnskaber Virusudvalget 63877
Akademiya Nauk Armyanskoi SSR Botanicheskii Sad 41240
Akademiya Nauk Belorusskoi SSR Fundamental'naya Biblioteka im V G Belinskogo 94260
Institut Biologii 67292
Akademiya Nauk Estonskoi SSR Institut Ekonomiki 75965, 4742
Institut Zoologii i Botaniki 10515
Akademiya Nauk Gruzinskoi SSR Institut Lesa 58479, 41348
Akademiya Nauk Kazakhskoi SSR Institut Botaniki 41349
Akademiya Nauk Kirgizskoi SSR Otdel Pochvovedeniya 61262
Tsentral'naya Nauchnaya Biblioteka 49114

	Item
Akademiya Nauk Latviiskoi SSR Fundamentala Biblioteka	76027
Akademiya Nauk SSSR	24757
	61671
Botanicheskii Institut imeni V L Komarova	32724
	67406
Gel'mintologicheskaya Laboratoriya	19428
Institut Ekonomiki	7650
	66373
Institut Filosofii	23707
Institut Geografii	76768
Institut Istorii	67242
Institut Mirovoi Ekonomiki i Mezhdunarodnykh Otnoshenyi	94719
Institut Narodov Azii	58052
	66775
Institut Lesa	35665
	61738
Institut Tsitologii	86098
Laboratoriya Lesovedeniya	18623
Pochvennyi Institut im V V Dokuchaeva	2451
	35221
	70707
Sovet po Izucheniyu Proizvoditel'nykh Sil Krasnoyarskaya Kompleksnaya Ekspeditsiya	70405
Zoologicheskii Institut	12437
Akademiya Nauk Ukrainskoi SSR Institut Ekonomiki	7335
Akademiya Obshchestvennykh Nauk Kafedra Politicheskoi Ekonomii	66495
Akademiya Sel'skokhozyaistvennykh Nauk imeni V I Lenina	14813
	36160
	59754
Otdelenie Zhivotnovodstva	90567
Akaevskii A I	11212
Akagi I	92647
Akai S	1176
	41902
	77084
	77184
Akamenko A I	13402
Akamsin A D	943
	1196
Akatsuka G	48904
Akazawa T	8410
	41727
Akbar S A	58209
Ake Assi L	23936
	76922
Akeley R V	1901
	25818
	33968
	43585
Aken W van	38255
Aker G F	66903
Akerberg E	1409
	1537
	25265
	76769
Akerman H	94158
Akers L E	2958
	53682
Akers R L	26389
Akesson M	62472
Akesson N B	15873
	22121
	28815
	47483
Akhmedov A A	69496
	88496
Akhmedov A M	6946
	54246
	80209
Akhmedsafin U M	70708
Akhmedzhanov R A	37208
Akhmeev G	7575
Akhmetov I Z	90958
Akhmetov Kh	68530
Akhmetov R M	36855
Akhromeiko A I	33821
	59755
	89962
	90174
Akhtyrtsev B P	52637
	78468
Akhundov A	61328
Akhundov D M	13676
Akhundov G F	42231
Akhundov T M	87488
Akhundova V A	59588
Akhverdov A A	41316
Akhvlediani G Kh	78469
Akhvlediani K S	24190
Akhvlediani N V	25636
Aki S	68531
Akiba M	22949
Akihama K	24771
Akilov U	69497
Akimochkin N G	43459
	60739
	61808
Akimov E P	54139
Akimov G S	54080
Akimova R A	62178
Akimovski R	9978
Akimtsev V V	52638
Akinaga Y	85086
	85087
Akindinov I N	84989
Akinin A V	27031
Akins P S	40209
	48960
Akinson B	43351
Akinwolemiwa J O	9932
Akisanya A	2982
Akita S	42455
Akiya T	48736
	57323
	75497
Akiyama H	74595
Akiyama J	37513
Akiyama Y	80677
Akiyoshi M	39122
Akkada A R A	45237
Akker S van den	3704
	54566
Akkerman V P	17646
Akkermans J P W M	55132
Akmal'khanov Sh	65381
Akopian E Sh	22122
Akopyan B A	42456
Akopyan M M	64712
Akopyan N S	72897
	72926
Akopyan R	47572
Akopyan R A	47573
Akopyan V D	20354
Akram M	54714
Akramov A A	66611
Akramov I K	88927
Akramovskaya E G	46987
Akramovskii M N	92252
Aksarin S	40135
Aksarin S V	57455
Aksel R	8808
Aksenenok G A	7576
Aksenov N S	3080
Akulin N A	4234
	11741
	63614
Akulinicheva M L	29875
Akulov A V	45967
Akulova E A	87489
Akulovich V M	89928
	89943
Akumishkina A N	66257
Akune S	4842
	37914
	37936
	51441
	64206
Akyurek O	26391
Alabama Dept of Agriculture and Industries	2515
	6403
Alabama Dept of Conservation	79082
Alabama Legislative Cotton Study Committee	6453
Alabama State Soil Conservation Committee	2469
Alaban C A	93554
Alabushev V A	25879
	60927
	69451
	87490
Aladova L P	67765
	68210
Aladova M P	68210
Alagianagalingam M N	77464
Alagic D	90589
Alaguzhin A M	22551
Alaha T	53178
Alain Brother	83
	41317
	67377
	76699
Alais C	6221
	83761
Alakhverdov A S	36161
Alakhverdyants S A Ei B N	39698
Alam M Z	12916
	82659
Alam S M	92530
Alam S Q	60278
Alameda County (Calif) Mosquito Abatement District	81445
Alampiev P M	75966
	75967
	85736
Alandia B S	17579
Alandia Borda S	50434
Alano N	89819
Alarcon C P J	2172
	23431
	40366
Alary J	31238
	66061
Alas A de las	70965
	90299
Alaska Cooperative Crop Reporting Serv	47811
Alatortsev E K	26390
Alaux A	61999
Alaverdyan M B	93209
Alayo Dalmau P	37602
Alazraqui J M	84990
Alba J de	62527
	62712
	62839
	71889
	72080
Albada M van	57403
Alban E K	1906
	9921
Alban L A	10213
	26266
Albanesi H	23121
Albareda J M	17930
	18130
	89566
Albareda Herrera J M	70487
Albaugh J E	39948
Albaugh L	5872
Albaugh R	27902
	72261
Al'bekov R M	25673
Albenskii A	26960
	79267
Al'benskii A V	26852
Alber	20933
Alber I	39983
Alberda T	944
	68532
	69138
Alberding	84222
Albergo E d'	7406
	22646
Alberola J	56453
	73062
Albers G	82660
Albersheim P	51442
Alberson D M	6582
Albert F A	4741
	24109
Albert J J	24191
	41728
Albert O H	7141
	84863
Albert R O	32725
Albert T F	37508
Albert W B	17098
Albert W W	36451
Alberta Dept of Agriculture	32153
	94348
	94833
Alberta Dept of Agriculture--Cont	
Dairy Br	6168
	93253
Farm Economics Br	58000
Veterinary Serv Br	19429
	90568
Alberta Dept of Lands and Forests	57902
Alberta Research Council	78470
Alberta Wheat Pool	31081
Albertario P	76079
	93057
Alberti B	38426
	82071
Alberti F	48829
Albertini A	90959
Albertini F	49353
Alberts J O	11245
	73038
Albertson D	8014
Albescu I	78860
	89732
Albi F	14464
Albien	71711
Albisua J R	66210
Albisua R	84991
Albitre J	78135
Alboiu M	27302
	27413
	28154
	90569
	91824
	91825
Albonico F	83740
	93289
Albre E	45545
	45546
	45651
Albrecht D T	91178
Albrecht F	89407
Albrecht H R	32154
Albrecht P	20653
Albrecht W	13919
	39457
Albrecht W A	26005
	26006
Albright J L	20355
	62713
	80239
Albright L F	31331
Albritton A R	80210
Albritton C W	54904
Albritton R C	17013
	17226
	52784
	89159
Albsborgs Lans Sodra Hushallningssallskap	86100
Albu M	93391
Albu T	28642
	28654
	28655
	28686
	28687
	37350
	37351
	37398
	91342
	91826

	Item
Albu T--Cont	91836
	91838
	91857
	91878
	91879
Albuquerque H	21983
	56588
Albuquerque H F de	36149
Albuquerque I R E S	92630
Albuquerque M de	89111
Albuquerque P C de	9933
	39113
	56530
	83600
	93197
	93198
Albury M N	13506
	39766
	65808
Albutiu V	91701
Alby B	37005
Albyakov M P	18927
Albyakova E V	18927
Alcalay G	47770
Alcalde A	29869
Alcalde A J	16274
Alcantara R O	14310
Alcaraz H	55397
Alcaraz L	16590
Alcaraz Luna M	22443
	49578
	84394
Alcerreca L G	40698
Alchin J D	12528
Alcocer Gomez L	87101
Alcorn S M	518
	8991
	41936
	60027
Alcser J	70709
	89820
Aldashev A	27303
Aldashev A A	90570
Aldasy P	36534
Aldelaimy K A	1219
Alder E F	17638
	17639
	43783
	43844
	52164
	52165
	52278
Alder F E	20342
Alder H E	80784
Alderman D C	17326
Aldhous J R	35779
	44748
	79268
Aldighieri J	21252
	38256
	64469
Aldighieri R	38256
	64469
Aldinger A	44749
Aldrich D G	40798
	49381
	78778
	85835
Aldrich R A	47523
Aldrich S R	10156
	26204
	76409
Aldrich T M	17553
Aldridge N L	78924
Aldrovandi R	17829
	35061
Aleandri M	11588
	19430
	63345
Aleem A A	87491
Aleem M I H	78403
Alefirenko P K	67243
Aleinikova M M	55649
	82210
Aleixandre T	17930
	70234
Aleixandre V	17931
Alejo L G	76583
Alekand K	61480
Alekhin R	71712
Alekhin R M	11213
Alekperov S A	2640
Aleksandrov A D	1907
	69697
Aleksandrov A S	9411
	88466
Aleksandrov B	61709
Aleksandrov B V	28549
Aleksandrov F A	15710
Aleksandrov K S	90458
Aleksandrov L	94638
Aleksandrov M A	9343
	43138
Aleksandrov N A	28630
Aleksandrov N P	3977
Aleksandrov S V	33365
Aleksandrov V G	18054
	59351
	59352
	61329
	68211
	68533
	87238
Aleksandrov V Ya	42457
	68212
Aleksandrov Yu	73187
Aleksandrov Yu P	63878
	81362
Aleksandrova	17996
Aleksandrova A M	52506
	78358
Aleksandrova E C	69177
Aleksandrova V D	33459
	68087
	68088
Aleksandrovic D	61265
Aleksandrovich G S	84992
Aleksandrovich I F	89943
Aleksandryuk S P	73013
Aleksan'yan A K	42652
Alekseenko L N	68534
Alekseev E K	44136
Alekseev I M	14951
Alekseev N	20318
	93403
Alekseev P A	26658
	66015
Alekseev V	11807
Alekseev V R	16197
	59224
Alekseev V S	88098
Alekseev Yu E	41350
	58611
	87239
Alekseev Yu M	79269
Alekseeva A I	71594
	90444
Alekseeva E S	60499
Alekseeva G F	55037
Alekseeva K	83879
Alekseeva T A	16498
	65915
Alekseeva V A	10178
	61330
Alekseevskii A N	9733
Alekseevs'kii E E	18409
Alekseevskii V E	44325
Aleksidze N E	29055
Aleksiev A D	37184
Aleksieva L G	69903
Aleksik V I	61152
Alemany A	67665
Alemdag S	44661
Alenkin S P	88428
Alenkovich A A	71713
	79737
Alertsen A R	77759
Aleshin E P	24870
	60310
Aleshin S N	2068
	52459
	78385
Aleshina E S	24772
Aleshina L A	59225
Aleshina L I	93894
Aleskerov K N	87492
Alessandrini M E	22647
Alex H	80785
Alex J F	32726
Alexa G	75458
	75498
Alexander	1449
Alexander A D	36535
Alexander A E	4544
Alexander A J	21354
	73539
	82114
Alexander A M	23815
	23816
	23817
	23818
Alexander B H	63712
	81735
Alexander C B	88534
Alexander C P	5055
	5056
	5057
	12858
	29409
	29410
	38156
	38157
	55765
	64402
	64403
	73657
	82353
Alexander C W	68535
Alexander D E	24684
	68418
Alexander D M	50915
Alexander E	22261
	39464
	39559
	83880
	83996
Alexander F	36890
Alexander G	12107
	28455
	46126
	46127
	81015
Alexander G I	3415
	3506
	11391
	54081
	80150
Alexander G V	34133
Alexander H P	56319
Alexander J C	45947
	91559
Alexander J D	52460
Alexander J E	63001
Alexander K E F	85021
Alexander K M	6197
Alexander L J	1834
	1835
	37087
	52086
Alexander L T	4210
	61131
Alexander M	2135
	18055
	18086
	18095
	44054
	51197
	52610
	70327
Alexander M A	45601
	62976
Alexander M L	38158
Alexander M W	63890
	69318
Alexander P	6454
Alexander R A	11214
	11468
	53760
	62714
Alexander R D	13048
	29749
	82852
Alexander R H	6416
	19431
	92898
Alexander T J L	4277
	81241
Alexander W H	22056
	39302
	39303
	74768
Alexandrescu I	53020
Alexandrescu M	39286
	93392
Alexandrescu N	51968
Alexandri A V	50258
	52166
Alexandrov K	31601
Alexandrova L N	17932
Alexandrowicz B W	90175
Alexandru A	41685
Alexandru C	91368
	91570
Alexandru I	71462
Alexanor	63698
Alexiu A	50916
Alexiu O	94062
	94063
Alexopoulos C J	237
	33754
	51435
Alfend S	38974
Alfer'ev V P	29866
Alfieri A	82577
Alfieri L	17967
Alfieri S A	9798
Alfimov N N	23686
Alfnes A	43586
Alfons H	92957
Alfonsus H	47879
	56589
Alford D M	24192
	50259
Alfredsson B	39458
	39459
Alger Institut des Vins de Consommation Courante	31624
Algeria Direction de l'Agriculture	30306
Algeria Off Algerien d'Action Economique et Touristique	32346
Algeria Serv Centrale de Statistique	30307
Algeria Serv des Douanes	7843
Alghisi P	24193
Algie J E	6595
	48159
Ali A	48160
	48161
	56837
	78378
Ali A H M A	42458
Ali D	10442
	53019
Ali I B H	10885
Ali L A M	22015
	39258
Ali M	17099
	26385
	59678
Ali M A	10219
Ali M E	43005
	43006
Ali M K	87493
Ali M W	45948
Ali S	89248
Ali S A E	50151
Ali S B	41729
Ali S I	41351
	50013
Ali S M	15414
	34436
	53683
	83988
Ali S S	10516
Ali-Miah M M	33146
Ali-Zade M A	50917
	50918
Alias L J	18131
Aliaskerzade R	71631
Alibasoglu M	36536
	91846

	Item
Alicata J E	54739
Aliev A	70488
	70489
	71714
	72081
	73464
Aliev A A	11541
	60635
	68050
Aliev A I	37234
Aliev A M	945
	50919
	56926
	60707
Aliev A Yu	1073
	2284
	2286
Aliev D	69319
Aliev D A	15711
	24773
	24774
	87137
Aliev D F	25291
	43078
Aliev D G	24057
Aliev D M	24768
Aliev G A	14318
	14814
	78471
Aliev H A	18132
Aliev M	62635
Aliev M A	34628
Aliev M G	3416
	72082
Aliev S	62636
	70574
Aliev S A	43931
	70318
Aliev S Z	89249
Aliev Yu I	60495
Aliev Z	51707
Alieva E I	945
Alieva Z M	11875
	80726
Alikhan M A	82496
Alikhanyan S I	848
	8809
	77445
Alikonis J J	15463
Alikulova L	13276
Alim A	44137
Alim K A	45398
	54247
Alimdzhanov R A	20557
	46366
	46422
Alimov A	78779
Alimov V A	25930
Alipieva M	68783
Alipov V V	19690
	31752
	90509
Alippi H E	86731
Aliprandi C	40356
Alisov M	14020
	23239
Alizade A	68536
Alizade M	68537
Alizadeh J I	75776
Aljoe D	58101
Alkalai A	82956
Alkamper J	17014
	70007
Alkan B	55161
Alkemeyer M	43012
Alkhas'yants E L	17640
Alkmaar Proefstation voor de Groenteteelt in de Volle Grond in Nederland	89112
Alkon P U	68538
Allakhverdiev I	75614
Allakhverdiev I I	72606
Allakhverdyan G O	7454
Allam M W	45362
Allan A Y	12106
Allan E	36976
Allan G W H	78924
Allan H H	86386
Allan M K	32428
	32429
Allan P	60646
Allan P B M	64576
	76700
Allan R E	24194
	24685
	87494
Allan R M	46503
	73575
	81704
Allanson B R	33460
Allanson G	4073
Allard C	77085
Allard H A	58570
Allard R W	849
	24767
	42390
	50832
	59687
Allary S	87495
Allasia A	79738
Allavena D	60482
Allaway W H	50920
	61257
	70402
Allayyanavarmath S B	24388
Allcroft R	19373
	28329
	36634
	62734
Allcroft W M	12018
Allden W G	54892
Allee D J	35450
Allegri E	35780
Allegri G	47210
Allegrini R	84719
Allen A	21732
Allen A A	4971
	4972
	4973
	5058
	5059
	5060
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	29328
	29630
	29631
	29632
	29633
	73590
	73591
Allen A A--Cont	73614
	82497
Allen A C	21161
	21238
Allen A D	4098
Allen A G	1836
Allen A R	85197
Allen A V	3316
Allen B	67276
Allen B F	78675
Allen B G	40416
Allen B W	55162
Allen C E	1410
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Allen C K	86147
Allen C P	3814
	63201
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Allen D	27958
	81963
Allen D E	84
Allen D I	56058
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Allen E	6454
	94968
Allen E K	50921
Allen E M	49746
Allen E V	9689
Allen G	7928
Allen G G	93771
Allen G H	61481
Allen G O	212
Allen G R	65773
Allen G S	10809
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Allen G V	22903
Allen H H	59756
Allen H P	34950
Allen H T	34866
Allen H W	5267
	5268
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Allen J	4368
Allen J D	24110
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Allen J M	73658
Allen J P	4506
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Allen J S	70473
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Allen M W	33116
Allen N	28959
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Allen N K	1328
Allen O N	16641
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Allen P G	1837
Allen P H	44608
	89963
Allen P J	15980
Allen P T	63713
Allen R A	19090
Allen R C	19891
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Allen R E	5659
Allen R J	3343
Allen R K	21478
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Allen R M	10748
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Allen R S	3349
	3350
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Allen R W	20356
	37209
	37210
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Allen S	74004
Allen S E	59313
Allen T B	58125
Allen T C	12620
Allen T E	45547
Allen W S	13393
	56190
Allen W W	31910
	34702
	52231
	73758
Allende G I	9412
Allenspach A L	37006
Allenspach V	23768
	79960
Allerup S	8854
	50922
	77465
Alleweldt G	8855
	24776
	33822
	59757
	77466
Allewelt R	66099
Allewelt R W	49579
Alley C J	13367
	42460
Alley H	43667
Alley H P	1410
	1908
	5801
	83166
	89250
	89251
Alley L	40799
Allgemeine Forstzeitschrift	79049
Allgemeiner Deutscher Rottweilerklub	3636
Allgood J G	13251
	21607
	31729
	31741
Allied Chemical Corporation Agricultural Technical Serv	34951
	34952
	37440
	37509
Allin B	31651
Allington W B	17554
Alliot E J	17869
Allis J A	44326
	52897
Allison A C	49747
Allison F E	17867
Allison F E--Cont	17949
	18089
	70386
	89551
Allison J B	94817
Allison L E	70232
Allison M J	27687
	53813
	54345
	80211
Allison P	24777
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	77026
Alliston C W	4099
Allman S L	12316
Allmann K	60308
Allmaras R R	35125
Allnatt P B	53611
Allo A V	69626
	85737
Allodiatoris I	76701
	76702
	76703
	94877
Allorge V	41153
Allouf R	13764
	49714
	83362
Alloui P	28631
Allred B W	11709
	88497
Allred E R	2375
	78780
Allscher R	74937
Allsop P J	12232
Allsopp H	25874
Allstetter R	52696
Allue Andrade J L	25417
Allwood-Fenn P	78100
Alm H	36481
Almada M	49277
Almadi L	24854
Almaraz Ugalde A	4581
Almas K	14739
Almasi E	93864
Almassy J	61561
Almassy K	19778
	90960
Almazan R	56987
Almazova M N	34374
	69275
Almazova V V	55248
Almeida C R Marques de	9639
Almeida E	29634
	46423
Almeida E de	83283
Almeida F F	5458
Almeida F J de	51910
Almeida F S de	88786
	88787
Almeida F X R F de	47129
Almeida H de	56531
Almeida J C	84139
Almeida J de L F de	9799
	34867
Almeida L A V	10017
	44506
Almeida M R F de	93384

	Item
Almeida P R de	37627
	89252
	89253
Almeida R F d'	82662
Almeida S de	94083
Almela Pons G	9180
Almgarden N	81173
Almlid N O	15523
	15524
Almquist H	32070
Almquist H J	54699
Almquist J O	3233
	3234
	3601
	19675
	36380
	62596
	79993
	79994
	79995
Aloisi R	28093
	37312
	71975
Alojipan E N	46219
Alonso A	89201
Alonso E R	7308
Alonso R A J	18250
	70512
	77494
Alonso Martinez E	88345
Alonso Munoz A	54873
Alonte-Orillo C	67986
Alonzo A E	18926
Alosi C	54549
	54679
Alov A S	35283
Alp O	48905
Alpat'ev A M	9979
Alpat'ev A V	58391
	59758
	59759
Alpat'eva L A	59490
Alpatov I L	81447
Alpe C	85823
Alpermann H G	72436
Alphandery G	46669
Alphandery R	64118
Alphen de Veer E J van	44750
Alquier-Bouffard A	50985
Alsaker T	47880
Alsmeyer R H	40011
Al'smik P	89113
Alston E C	28719
Alston R E	949
	33755
	68419
	88133
Alsup B	94807
Altaiskii I P	5683
	14952
Altekar W W	89556
Alten F	18251
Altenburg E	5072
	55766
	55770
Altenkirch W	12059
	54963
	55847
	80956
	81016
Altenschöpffer T	39919
Alter H	77839
	83569
Alter M L	3523
Altera K P	80345
Alterauge W	19432
	27304
	30218
	36215
	48667
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	71717
	79739
	79740
	91827
Al'tergot V F	77467
Althaus J	11710
	36746
	39259
	74686
	74847
	83711
	83741
Althaus R E	17641
	17642
Altherr E	35908
Altimira Raventos C	28354
	80900
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	86067
Altman F G	78570
Altman L B	56320
Altman R M	37510
Altmann G	12672
	15525
Altmann H	1310
Altner H	29781
Alton G G	81017
Altona R E	67129
Altorfer N	33756
Altrogge L	31082
Altschul A M	14443
	40069
	74381
	75523
	88204
	88205
Al'tshuler L M	31911
Al'tshuler N S	79741
Al'tshuler V E	54042
Altukhova L A	59353
Alumot J	31301
Alvarado C A	55249
Alvarado R	8319
	9935
	78239
Alvare N F	6261
Alvarez A	55320
Alvarez E F	84204
Alvarez Aparicio J	70235
	89408
Alvarez G M	49023
Alvarez Gastelum M	23240
Alvarez Martinez M I	62474
Alverson K	10140
Alves A	89296
Alves A A M	45103
	71074
Alves F L	10343
	35451
Alvey N G	10157
Alvim P de T	42461
Alvis R J	18563
Alvisi F	14740
	39586
Alvsborgs Lans Sodra Hushallningssallskap	86099
Aly O M	52204
Alybaev R	11140
	76704
Alyea J	32579
Alyshbaev B	68539
Alyukina L S	68780
Alzogaray A C	85323
Amabilis Rejon M	12456
	92058
Amadei G	49569
Amaha M	74399
Amakawa T	32880
Amako K	31534
Aman A Kh	53662
Amann F	10158
Amann R P	3233
	3234
	36380
	71890
	79995
Amanov K	72818
Amanov Kh A	44327
	89821
Amantaev E	88498
Amante E	29329
	46311
Amanullaev F	94349
Amanzhulov S A	62394
Amar S S	42462
	51867
	68540
Amaral A A	3785
	54603
	54604
Amaral A D F	54561
	55250
Amaral D	16888
Amaral J B de S	85793
Amaral J D	49445
Amaral J F do	29021
Amaral J K	89254
Amaral N	14510
Amard C	79644
	94571
Amata F d'	50649
Amatatsu K	1450
Amati A	56650
Amati R	57903
Amato F d'	792
	76816
Amatya T L	22953
Ambadasrao P	26205
Ambartsumyan V Kh	78271
Ambashtha H N S	77852
Ambegaokar K B	59550
Ambelang J C	66185
Amberger A	16500
Amble V N	80042
	83852
Ambroggi R	18410
Ambrok S A	66818
Ambros V	55005
Ambrose H B	35306
Ambrosi H	48283
	74570
	74571
	83601
Ambrosino C	47933
	93290
Ambrosioni P	74848
Ambrozova M	52898
	70319
Amburgey L R	17149
Ambus B	21162
Ambwani G J	4410
Amdam R	9549
Amding F	31579
Amdurer S	52841
Amelin I P	19433
Amelio V d'	45949
Amemiya M	52890
Amemiya S	62076
	64062
	71420
	71421
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	90353
Amend P	76381
Amer F	17933
Amer M E E	57617
Amer M el S	39770
	57100
Amer M F	11863
Amerault T E	62823
	80340
	91048
American Angora Goat Breeders' Association	28406
American Angus Association	3235
	27504
	36381
	62528
	79996
American Angus Conference	36382
American Animal Hospital Association	71718
	79742
American Association for the Advancement of Science Alaska Div	49748
Sect on Agriculture	16409
American Association of Avian Pathologists	45950
American Association of Landgrant Colleges and State Universities	7745
	94642
International Study Group I	94639
International Study Group II	94639
American Association of Nurserymen	15621
	15622
American Bankers Association Agricultural Committee	49024
	66396
	85189
American Beekeeping Federation	64119
	64120
American Camellia Society	25689
American Christmas Tree Council	36098
American Cotton Congress	22166
American Cranberry Growers' Association	17363
American Cyanamid Co Agricultural Chemical Div	2010
American Daffodil Society	34703
American Dairy Association Market Research Dept	13769
	47971
American Dairy Science Association	74641
Southern Div	47881
Western Div	39225
American Dietetic Association	7929
American Dry Milk Institute	65495
American Economic Association	40238
	94117
American Farm Economic Association	31652
	75811
American Federation of Labor and Congress of Industrial Organizations Agricultural Workers Organizing Committee	23067
American Feed Manufacturers' Association	3036
	39412
	53814
	63138
American Forest Products Industries	10862
	44539
	70996
American Fur Breeder	20060
	38711
American Guernsey Cattle Club	54082
American Hardboard Association	11070
American Hereford Association	3602
American Hereford Journal	79997
American Horse Shows Association	54654
American Horticultural Congress	34574
American Institute of Cooperation	32259
American Jersey Cattle Club	71891
American Marketing Association	30158
American Meat Institute	31321
Dept of Marketing	93865
American Meat Institute Foundation	5921

	Item
American Medical Association Council on Foods and Nutrition	48737
Council on Rural Health	49489
American Milk Goat Record Association	81133
American Mosquito Control Association	4307
	81448
American National Cattlemen's Association	45706
American Oil Chemists' Society	7024
	22648
American Phytopathological Society	24111
	67666
Caribbean Div	50152
Northeastern Div	309
Pacific Div	58815
Potomac Div	50153
	67667
Southern Div	8320
American Rose Society	60740
American Seed Trade Association	25292
	25293
American Sheep Producers Council	12167
	93829
American Society for Horticultural Science	34575
Caribbean Region	78016
American Society for Testing Materials	26012
Committee D-11 on Rubber and Rubber-like Materials	40125
Committee E-1 on Methods of Testing	90459
American Society of Animal Production	11375
	36361
	36362
American Society of Animal Science Southern Sect	62499
American Society of Brewing Chemists	39114
American Society of Photogrammetry	2608
American Society of Sugar Beet Technologists Eastern United States and Eastern Canada	1645
American Soybean Association	66100
American University (Washington D C) Center for Technology and Admin	49872
American University of Beirut Economic Research Institute	85324
American Veterinary Medical Association	79743
	79744
Council on Public and Regulatory Veterinary Medicine	11542
Council on Veterinary Serv	11742
American Water-Fowl Association	93943
American Wood-Preservers' Association	44967
Amerine M A	6102
	6148
	39191
	42904
	84225
Amerman C R	35272
Ameryckx J B	2173
Ames E R	54911
Ames R B	52167
Ames S R	30694
	56835
	74890
Amesbury R H	38751
	80663
	92918
Amick R J	57904
	76080
Amicucci U	9104
Amiet J L	21475
	82072
	82073
Amigo A	88499
	94118
	94120
	94475
	94476
Amin A	11926
Amin R K	22453
Aminov S A	72819
Aminova G G	63070
	63329
Amir S M	42932
Amiraian K	46128
Amirkhanov N A	51729
Amirova F	850
Amitrov V K	53815
Amling H	60955
Amling H J	946
	41609
	60682
Ammal E K J	68213
Amman G D	46988
Ammann M	14132
Ammer U	61753
Ammerman C B	3882
	12151
	91419
Ammermann D	55650
Ammon R	38870
Amore A d'	80637
Amoroso E C	11847
Amos A J	76622
Amos J M	81917
Amosenkova N I	63802
Amouriq L	38066
	55991
Amouroux E	22233
Amozov A F	36084
	71544
Ampt W T	26935
Ampuero E	8319
	8574
	9934
	9935
Ampuero P E	8437
el-Amrousi S	54616
Amsel H G	47130
	55918
	92569
Amson F W van	2174
	33823
Amsterdam Instituut voor de Tropen	32591
Amsterdam N V Norit-Vereeniging Verkoop Centrale	66101
Amstutz D G	15349
Amtower W C	91915
Amulree Lord	49649
Amunategui Weber G	49354
Amundsen A	31653
Amutio Polo G	65179
Anagama Y	91144
Anand A S	2895
Anand J C	14133
	21872
	84310
Anandaswamy B	6654
	7328
	31002
Anan'ev A R	86283
Anan'ev V A	11802
	36771
	70676
Ananiashvili G D	13163
Ananichev A V	61255
Anan'in A A	92748
Anantanarayanan K P	55163
Ananth B R	26206
Ananth K C	20803
	24112
	52264
Ananthakrishnan N R	37694
Ananthakrishnan T N	5588
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Ananthaswamy H N	86090
Ananyan G T	87496
Anasiewicz A	12527
	81736
Anastasiou C J	50119
Anastos C	40367
	48032
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Anastos G	29289
Anav'ev P	14815
Anayan R N	81618
Ancalmo O	373
	24397
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	58816
Anchisi L	57787
Ancizar E	66977
Ancona G d'	82451
Andalo G	7809
	18411
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Andarelli L	55224
Andel K	75258
Andel O M van	67767
Andel van	85677
Andelssmor A G	6340
Anderca C	57905
Anderegg D E	42463
Anderfeld A	25794
Anderhub J	92253
Anders G	5061
Anders H	30606
Anders M	76081
Anders M W	63002
Andersen A	7577
	20611
	26207
Andersen A C	90571
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Andersen O	89255
Andersen P E	11469
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Andersen P N	67028
Andersen R N	24778
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Andersen S A	65196
Andersen S T	23851
Andersen T	41154
Andersen V B	6344
Andersen W A	64678
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Anderson A H	79407
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Anderson C C	41041
Anderson C D	9146
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Anderson C R	73176
Anderson D	28355
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Anderson D C	28737
Anderson D E	85
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Anderson D G	77760
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Anderson D J	628
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Anderson D L	28925
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Anderson D M W	9222
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Anderson D O	13138
Anderson D T	52413
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Anderson E D	6229
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Anderson G A M	65496
Anderson G C	6455
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Anderson G E	16423
Anderson G K	14641
Anderson G W	45951
	46053
Anderson H	23068
	23069
Anderson H A	13831
Anderson H P	23070
	23071

	Item
Anderson H W	3614
	44119
	44883
Anderson I V	27068
Anderson J	15180
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Anderson J A	1311
Anderson J C	43079
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Anderson J O	20144
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Andhra Pradesh Bur of Economics and Statistics	6063
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Andrade P V de	53817
Andrade R M de	37511
Andrade S O	9298
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Andrade Ochoa A	56927
Andrasfalvy A	55872
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Andreescu V	2801
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Andreu M	84204
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Andrews F N	20167
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Andrews F N-- Cont	55150
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Andrews W H H	4100
Andriano M	37695
	46527
Andrianov V	13176
Andrianova K	16985
Andrianova N S	92218
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Andries A	34526
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Andries A M	66859
Andriese P C	68804
Andrieu R	13775
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Andrilenas P A	65964
Andringa R	83570
Andrist F	54083
Andriyan E A	55055
Andriyash L	69905
Andriyauskaite E	2377
Andriyuk K I	78404
Andrla O	81174
Andronov P	69698
Andronova A V	42046
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Andrzejewski M	1096
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Andukowicz W	48164
Anellis A	83563
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Anfimov A M	66776
Anfinnikov M A	46634
Anfinsen C B	56338
Anfre J	23709
Angel A	48165
Angel H R	8411
Angel T H	56435
Angel Cordera M	39115
Angeles F P	46046
Angeles L D	26917
Angeli L	25795
Angelici G	11376

	Item
Angelidis A	40957
Angelidis A D	67262
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Angelis A de	47812
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Anghi Cs	72382
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Angleton H D	53618
Angola Reparticao de Estatistica Geral	7844
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Anguladze T Ya	92534
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Angulo Carpio M D	42338
	42339
Angus T A	64227
el-Ani A S	851
el-Ani A S	33581
Aniansson G	5782
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Anikeev A P	72418
Anikeeva I D	33727
Anikeeva N M	8412
Anikin I V	29876
Anikina E A	8686
Anilovich V Ya	47485
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Animal Diseases Research Association	19434
Aniscenkova E	75717
	75718
Anishchenko A K	54740
Anisimov A A	68543
Anisimov V	25796
Anisimova V K	62715
Aniskin V I	75711
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Anklesaria G	45405
Ankvab K P	58612
Anleu L	21719
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Annagiev A A	4101
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Annappan R S	51719
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Annecke D P	12949
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Annis J R	19435
Annison E F	46145
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Antioquia Direccion Dept de Estadistica	56498
Antipenko N	25797
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Antipin V G	92795
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Antipov-Karataev I A	18412
Antipov-Karataev I N	10018
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Antropov I A	58480
Antropova V F	34477
Antsibor S S	55253
Antsukevich O N	26993
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Antunes L de C	18413
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Aonuma S	74938
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Aoyama Y	456
Apacible A R	2378
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Apple Growers Association Hood River	14074
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	Item
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Applegate H G	59380
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Appleton (Wis) Institute of Paper Chemistry	71505
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Appukuttan P	29411
Apreleva M S	59355
Apsemetov T	91650
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Apterman G Z	13205
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Ara F dall'	30746
Arabadzhi V I	71325
Arabaev E I	66308
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Arabian Horse Club Registry of America	11810
Aracil A	63280
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Arasimovich V V	42954
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Araujo R A de	85825
Araujo R L	5589
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Arbegast M K	34704
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Arbeitsgemeinschaft der Deutschen Kaffeehandels	6103
Arbetisgemeinschaft der Niederosterreichischen Tierzuchtverbande	3604
Arbeitsgemeinschaft Deutscher Tierzuchter	53741
Arbeitsgemeinschaft für Jagd- und Wildforschung	49749
Arbeitsgemeinschaft fur Landwirtschaftliches Sortenversuchswesen	89115
Arbeitsgemeinschaft Landwirtschaftliches Bauwesen	5831
Hofplanungsausschuss	5832
Arbeitsgemeinschaft zur Forderung des Futterbaues	51733
	69501
Arbeitstagung der Milchwirtschaftlichen Fachberater	65353
	65354
Arbesman C E	46369
Arbobov A	90885
Arbogast C	2948
Arbonnier P	26734
Arbour M B	85826
Arbuckle B	80215
Arbuckle J	80150
Arbuckle R H	62078
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Arbuckle W S	30623
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Arbuzov D S	69559
Arbuzov S A	60394
Arcamone F	9223
Arcamone R	9224
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Arce L M	56735
Arce Picon J N	74450
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Archibald J	3655
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Archibald J A	26193
Archibald J G	36162
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Arcichovskij V	33828
Arcila Otero F	8086
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Arco J L del	58210
Arcoleo A	25186
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Ard H N	26994
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Ardener E	7336
Ardener S	7336
Arditti J	88
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Arditti R R	87381
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Aref'ev T	48906
Aref'ev T I	7578
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Arekal G D	717
Arekelyan A O	81739
Arellano Cassani A	39727
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Arend J L	18928
Arendarcik J	91673
Arendt N K	8191
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Arenes J	58613
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Arenys de Mar Real Escuela de Avicultura	92958
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Ares-Pons J	74575
Arese G	75434
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Arevad K	28816
Arevalo G	14464
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Arfire A	78560
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Argaillot L	60708
Argent B	56263
Argentina Comision Nacional de Admin del Fondo de Apoyo al Desarrollo Economico	57214
Argentina Direccion Nacional de Estadistica y Censos	23583
Argentina Instituto Nacional de Tecnologia Agropecuaria	43175
	77027
	84771
Argentina Junta Nacional del Algodon	22169
	39461
Argeri N J	19588
Argerich G	90573
Argesiu V	74850
Arglebe C	15967
Argow K A	40733
Argun B G	17312
Argus G W	32618
Argyle D B	77923
Arias Portilla P	85118
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Arifkhanov K T	71171
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Arikado H	42468
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Arinos F	4303
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Arisanu I	7411
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Ariskina N P	87138
Aristarkhov A N	35158
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Aristova V P	19780
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Ariyama H	12048
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Ariyoshi U	51465
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Ariz A B	41730
Arizona Commission of Agriculture - Horticulture	41586
Arizona Employment Security Commission	57729
Arizona Off of State Chemist	78984
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Arizona University	7747
Arkad'eva Z I	68544
Arkema P W B	5660
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Arkhangel'skaya A D	58481
Arkhangel'skaya M S	93561
Arkhangel'skii D B	41278
Arkhangel'skii I I	3419
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Arkhipova V R	19476
Arkley R J	89567
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Arle R	64713
Arlinghaus R B	48610
Arlitt A	92796
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Arlitt M	56988
Arlt R	66790
Armand D L	79390

	Item
Armandola P	6199
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Armbruster L	73406
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Armillas P	66819
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Arnao G	44591
Arnborg R	9691
Arnborg T	52012
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Arndt C	88116
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Arndt W	26209
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Arnell S	204
	24037
	58743
	86528
Arneodo A	23584
Arner D H	1909
Arneson H R	66860
Arnett R H	4906
	4975
	21083
Arnhem Instituut voor Toegepast Biologisch Onderzoek in de Natuur	67277
	86252
Arnkil J E	35909
Arno I	61672
Arnold A	949
Arnold B L	17013
	17134
	26210
	27591
	52784
	70561
Arnold C A	1
Arnold C J	7338
	85786
Arnold D	3646
Arnold D C	70915
Arnold E L	29877
	56736
Arnold G	5270
Arnold G W	12141
	77477
	81087
Arnold J C	42469
Arnold J N	82918
Arnold J W	5554
Arnold K A	71506
Arnold K M	67954
Arnold L	69622
Arnold L K	75502
Arnold M H	67954
Arnold M K	64404
	92423
Arnold P W	17935
	17936
	61016
Arnold R A	91179
Arnold R W	52673
Arnold Arboretum	2
Arnon A	39588
Arnon D I	950
	24783
	50926
	87501
	88183
Arnott D R	62574
Arnould R	5785
	11160
	79727
	79728
Arnoux J	72127
Arnoux M	24784
Arnow P	1131
Arnsdorf E	75261
Arnstein P	37038
Arnswaldt H J von	53359
Arnth-Jensen N	76505
Arny D C	4648
	8601
Arokszallasy Z	68089
Aronchuk M M	50650
Aronoff S	88102
	88103
Arons H M	6026
Aronson J	38008
Arora G L	5590
	82498
Arora R K	629
	78259
Arpadne H	61116
Arpai J	6890
Arpaia G	85466
Arph O	83882
Arpino A	14447
Arrand' J C	46671
Arraudeau M	8860
	39788
	48499
	60395
Arredondo R F	23242
Arriens R A L L	66615
Arrieta Mateos D L	43672
	86601
	92142
Arrignon J	66498
Arrigo C M d'	10026
Arrigoni O	36218
Arrington E H	2444
	61550
Arrington L	46052
Arro I V	36856
	72370
Arroya Herrera A	83602
	83603
	83604
Arroyave R	45896
Arroyo G J C	23243
Arroyo H	4907
Arroyo J A	10272
	11152
	11189
Arroyo V	65301
Arru A	35514
Arru E	3104
	3421
	4718
	5083
Arruda H V de	35285
	89253
Arruda M de L do C	93885
Arruda Cordeiro C de	85469
Arscott G H	45930
	72492
	72520
	91382
Arsdel W B van	65207
Arseculeratne S N	12049
	37148
Arsenault H J	49126
Arseneau D F	11095
Arsenescu M	4772
	41587
Arsenev S	47623
Arsenijevic M	86733
Arsenishvili V G	24493
	68090
Arshakyan A V	80913
Arsic M	86734
Artamkina I Yu	16931
	69211
Artamonov F	94479
Artanovskii Yu G	66616
Artar O G	14405
Arteaga P H	86068
Artem'ev A	69907
Artem'ev B V	74572
Artem'eva I S	75350
Artemichev M	71720
Artemichev M A	28235
Artemova P V	81041
Arthaud V A	3302
Arthaud V H	11532
Artho A J	31603
Arthur A P	12950
	29645
	64531
Arthur B W	12389
	28747
	28833
	28834
Arthur C T	56454
Arthur D R	21034
	46775
	81450
Arthur G H	3079
Arthur H B	30160
Arthur H R	7026
	9225
Arthur J C	6483
	13920
	48167
Arthur J L	71032
Artieri E L	31083
Artigas J	19985
Artigas Coch J	82354
Artman J O	26659
Artman N R	20180
	91559
Artner X	21733
Artsybashev E S	58485
Artykov A	85478
Artyukov N V	60500
Artyushenko Z T	59762
	88983
	88984
Artz L	32727
	86417
Aru A A	44691
Aruga H	4843
	12714
	12715
	37915
	64207
Aruga H--Cont	64208
	73465
	82017
Arustamyan T A	37512
Arutyunova L G	37443
Arutyunyan E S	87139
Arutyunyan G S	59750
Arutyunyan L V	43460
	43461
	43462
Arutyunyan M	69502
Arutyunyan N P	43847
	94098
Arutyunyan P I	80216
Arutyunyan R Sh	44035
	51266
	60093
	78446
Arvanitopol N	28154
	79999
Arvesen A	90300
	90301
Arvidsson M	33829
Arvy L	19436
	19781
	46220
	54248
	54912
	55056
Arwidsson E	20096
	77924
	78758
Arx J A von	24196
Arya H C	59763
	68545
Arya V P	53661
Arystanbekov Kh	14818
Arystangaliev S	41318
	41319
Arzolla J D P	26113
Arzumanyan E A	3236
	62529
	62717
	72258
	90806
Arzumanyan G A	45142
	45143
	45144
Asada K	77470
Asada S	77806
Asadov G	43588
Asadov Sh	2286
	50927
	68546
Asadov Sh D	1073
	2284
	26211
Asahi O	28697
Asahi O	80677
Asahigawa Eirinkyoku	26724
Asahigawa Forest Products Research Institute	90365
Asahina S	13049
	38556
	47228
	56014
	73884

	Item
Asahina Y	15849
Asai G N	33246
Asai Y	32728
	76923
Asaj A	27689
	27696
	27768
	27769
	36383
	62775
Asakawa F	82663
Asakawa M	441
	442
Asakawa S	10702
Asana R D	16502
	59764
	77471
Asandei N	53639
	56851
Asandei-Cernatescu A	51486
Asander F	1469
Asano M	21846
Asanova V K	2696
	90177
Asanuma K	37513
Asao M	66186
Asare E	15637
Asarov Kh K	951
	42470
Asaul Z I	58754
	59227
	67553
	87140
Asayama T	29221
	37929
Ascani E d'	4247
Ascarelli E	26585
	50928
Ascarelli I	19374
	71697
	72493
Ascenzi G d'	57788
Asch J	67294
Aschaffenburg R	11393
	48073
Ascheberg O	13329
Ascher K R S	4320
	8015
	12377
	73112
	81363
	91949
Aschersleben Institut fur Phytopathologie	41588
Aschhoff G	31787
	76464
Ascione L	19445
	37516
	90586
	91340
	91998
	91999
Ascoli W	67108
Asdonk T	15181
Asdrubali M	45376
	84601
Aseeva I V	35197
Asem A K	35546
Asen S	34248
	50684
	77803
Asenjo C F	58307
Asenjo Martinez J L	19252
	45043
	45044
Asensio C	16888
Asford R F E	3445
Asghar A G	18414
	24785
	26392
	35454
Ash L H	4326
Ash L R	54502
Ash O K	34249
Ash R W	54913
Ash W J	91353
Ash W O	62714
Ashall C	92631
Ashbel T	34690
Ashby E J	12168
Ashby M	68091
Ashby N	374
	86284
Ashby R K	4785
	81927
Ashby W C	2697
	50929
	59765
Ashcraft A C	22170
Ashcroft A G	83991
Ashdown R R	45399
	45548
Ashe H	19437
Ashe H J	66435
Asheim A	28032
Asher C J	8861
Asher W C	53325
Ashford R W	73592
Ashhurst D E	13050
	13051
	21447
	92632
Ashida J	9213
Ashina Y	15850
Ashizawa M	68547
Ashkhbabyan S A	88477
Ashkinazi M S	51444
Ashley D A	52739
	68631
Ashmen R	83877
Ashmore W G	56839
Ashraf M	48739
Ashrafi S H	46913
Ashrafuzzaman H	48447
Ashrif M I	89629
Ashton D H	1140
Ashton F M	952
	2069
	17644
	25876
	42931
Ashton G C	3872
	27507
Ashton G C--Cont	28218
	37314
	45937
	45938
	45951
	72533
	72534
	80100
	80767
	84681
	91466
Ashton J	40539
Ashton J H	39116
Ashton J W	32348
Ashton J W J	40958
Ashton L A	71423
Ashton T R	39351
	65498
	74857
Ashton W M	57128
Ashton-Jones D J	83522
Ashurov Z	46059
Ashurst D E	21446
el-Ashwah F A	39767
Ashworth K	23770
Ashworth L J	8413
	42018
Ashworth U S	74695
Asiddao F	53238
	53245
Askarova S	86735
Askarova S A	67768
Askel R	16410
Askerov A	72843
Askerov G	70009
Askerov K	70491
Askew R R	5271
	5272
	5273
	5274
	38363
	47062
	64532
	64533
Askew W R	31509
	93683
Askochenskii A	89823
Askochenskii A N	18415
Askwith H	25692
Aslam N A	21084
	38069
Asland O J	39226
	76705
Aslanov S R	43452
Aslanyan Sh G	87196
Aslanyan V E	78558
Aslin W E	51587
	69400
Aslyng H C	52372
	89854
Asmaev P G	22904
	22905
Asmundson V S	3811
	3812
	11864
	91605
Asmus F	24786
	26060
	33830
	33831
Aso K	20974
	22550
Aso T	33832
Asociación Argentina Criadores de Cerdos	46288
Asociacion Cafetalera de El Salvador	89409
Asociacion de Criadores de Lanares del Peru	32077
Asociacion de Ganaderos de El Salvador	36363
Asociacion Nacional de Bananeros del Ecuador	86634
Asociacion Nacional de Productores de Trigo y Cereales	48500
	48501
Asociacion Rural del Uruguay	48646
	48684
Asomura C	53820
Asp E	21800
Aspandiyarova M	42471
Aspelin A L	88386
	94480
Asper J H	25693
Asperen K van	28798
	63734
Aspeslagh A J F	22928
Aspinall D	16503
Aspinall G O	1312
	36085
	45124
	57129
	94099
Aspinall K W	71721
Aspinall R L	37079
	91531
Aspinall W N	52899
Aspinwall J S	64870
Asplin F D	28236
Asplund A	45104
Asplund J M	28576
	80101
Aspock H	21356
Asquith D	55164
Asrorov M T	78759
Assadolahi A	77743
Assam Dept of Agriculture	22171
	22172
	22173
	22650
	22651
	22652
	31070
	31084
	31085
	31086
Assam Dept of Agriculture--Cont	31087
	31536
	31604
Assam Forest Dept	61710
Assaul B D	33149
Assaul N F	92059
Assche F van	34869
Assche J van	86101
Assche V van	59766
Asselbergs E A	6891
	30273
	84311
Asselbergs E A M	47772
Assem M A H	81616
Assemien P	50751
Assenmacher I	80786
	80787
	80891
Assi L A	41353
Assing I A	44067
	89613
Assmann E	18774
	26736
	44751
	71037
Asso J	11650
	36219
	36663
	80392
Associacao Brasileira de Credito e Assistencia Rural	15182
Associacao dos Criadores de Nelore do Brasil	3082
Associacao dos Produtores de Sisal da Provincia de Mocambique	3422
Associacao Sulina de Credito e Assistencia	69453
Associated Scientific and Technical Societies of South Africa	76083
Associated Women of the Maryland Farm Bur	58356
Association Belge des Filateurs de Coton et de Fibres Connexes	66978
Association Canadienne-Francaise pour l'Avancement des Sciences	83992
Association de Geographes Francais	67145
Association for Multiple Use of Maine Timberlands	49119
Association for the Study of Animal Behaviour	44895
	4862

	Item
Association Francaise pour l'Etude des Irrigations et du Drainage	26393
	26394
Association General des Producteurs de Mais	34954
Association Nationale de Controle des Performances de l'Espece Porcine	72898
	81150
Association Nationale de la Meunerie Francaise	75262
Association of American Feed Control Officials	39413
Association of Applied Biologists	15483
	86102
Association of British Manufacturers of Agricultural Chemicals	32486
Association of Food and Drug Officials of the United States	13492
Association of Food Technologists	65236
Association of Masters of Harriers and Beagles	27950
Association of Official Seed Analysts	84948
Association of Southern Agricultural Workers	75970
Marketing Sect	38921
Association of Southern Feed Fertilizer and Pesticide Control Officials	41082
	41083
Association of Sugar Producers of Puerto Rico	66211
Association of Veterinary Food Hygienists	54043
Association of Western State Engineers	2379
Associazione Cotoniera Italiana	74939
Associazione Italiana Lattiero-Casearia	93254
Associazione per lo Sviluppo del'Industria nel Mezzogiorno Centro per gli Studi sullo Sviluppo Economico	75812
Assuncao M L T de	93212
Astaf'ev I F	1712
	60709
Astakhov A I	24787
Astankova R	92936
Astashkevicher E T	48352
Astaurov B	45167
	45377
Astaurov B L	16411
	73466
	82067
Astegiano V	56650
Asthana M S	66991
Asthana S K	79591
Astinet H	18929
Aston A	64577
Aston A E	64228
Aston E R	26995
Aston P J M	74251
Astrakhantsev V I	79745
Astrand H	23123
Astrego J J	17275
Astrup H	11545
	30573
Astudillo M D	56790
Asvany A	39117
	83605
Aszalos A	57497
Asztalos I	66147
Atabaeva Kh	88502
Atabekov I G	59114
	59115
	86996
Atabekova A I	24549
	86418
Atack D	27113
	36025
Atal C K	1974
	8862
	14054
	50778
	68215
	87240
Atanasiu N	953
	974
	8890
	10058
	17870
Atanasov P	89293
Atanasov S	69908
	69909
Atanasova M	36026
Atanasova-Krysteva M	45991
Atanassov A S	93085
Ataullaev N A	68548
Atchison I E	83993
Atdzhikov K	72822
	81019
Aten R I	48284
Athanassova E	25504
Athayde C	13421
Athayde C de	5903
Athenstedt M	22822
	31537
	57498
	75720
Atherinos A E	69166
Atherton H V	6345
	47977
	65499
	74851
Atherton H V--Cont	93296
	93353
Atherton L E	84546
Atheya S C	8533
Athias-Henriot C	55651
Athow K L	9520
Athwal D S	51859
Atkin E L	29169
Atkin J D	9802
Atkins A P	2470
Atkins C D	65811
Atkins E C	81656
Atkins E L	37839
Atkins I M	921
	12450
Atkins J G	59116
Atkins M D	4762
	20895
	63699
	64324
	64354
Atkinson F E	31057
Atkinson G F	79887
Atkinson H J	70916
Atkinson I A	44086
Atkinson I A E	44463
Atkinson J D	58818
Atkinson J H	75866
Atkinson N D	6932
Atkinson R E	88985
	88986
	88987
	88988
	88989
	88990
Atkinson R G	8863
Atkinson R L	11891
	45925
	80729
Atkinson T E	32151
Atkinson W O	70492
Atlee C B	33438
Atmaleksana R	58919
Atrokhin V G	16504
Atrops E A	14157
Atrops E P	48353
	65728
Atsmon D	77357
Attaway J A	57324
	84222
Attebery J T	27720
Attfield J G	20875
	73358
Atti E	83036
Attina S	45378
Attiwill P M	61772
Attoe O J	18026
	79047
Attonaty J M	94209
Attwood E A	40417
Attwood E E	23244
Atty D B	12797
Atwal A S	29216
Atwood C E	64063
Atwood H S	71508
Atyeo W T	92316
Aubel C E	20454
Auber J	73659
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Aubert E	32619
Aubert G	18185
	40801
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	82855
Aubert J F	5275
	12984
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	82578
	82664
Aubineau M	29915
	38671
	83082
	92798
Aubreville A	44595
Aubry F	93479
Aucamp J D	1539
Auckland A K	50930
Auclair J L	21268
	64503
Audenas J	40239
Audia W V	51004
	84312
Audisio G	48502
Audisio S N	20484
Audus L J	1129
	25877
Audy J R	21035
	21036
	29280
	29281
Auer	83179
Auer C	37794
Auer J	48099
Auerbach C	21220
	42341
	77418
Auersch O	38070
	63883
	82212
Auffray P	19986
Aufhammer G	375
	8810
	48503
	74382
Augelli J P	32073
	85815
Augello W J	83378
Auger H V	72463
Auger P	3
	8087
	8088
Auger-Barreau R	68216
Aughanbaugh J	27637
	44610
	79124
Augier J	52611
Augis E	75503
	84772
Auguadra P	90961
Augustat S	56339
Auguste	34870
	39589
Augustin E	9692
Augustin H	45141
Augustin J	90108
Augustin S	31147
Augustinsson L	56236
Aujac J d'	9226
Aujeszky L	18625
Aujla A S	9438
Auld B A	60782
Aule O	13833
Auleitner A	70938
Aulerich R	54580
Aull G H	7459
	14819
Aulstad O	4195
	12307
	76244
Ault R G	14266
Ault W C	14356
	45890
	45891
	53763
Aumaitre A	63575
	72963
	81176
Aumuller H	43396
Aunger C	65833
Auranaune J	66275
Aurand A	13612
Aurand L W	13717
Aureli G	71722
	72402
	80525
	80528
	80620
	80625
	81242
Auriol P	13834
	80481
	80482
	83788
Aurlien O	3317
Ausemus E R	15065
	43082
Auskova M	28295
Ausland O	9803
	43589
	43590
Ausland T	49446
Ausman L H	45010
Austenson H M	59205
	88309
Auster F	43848
	70115
Austin A	954
	34375
Austin A M	58343
Austin J R	4430
Austin J W	36384
	62571
Austin M E	21627
Austin O M	28866
Austin R O	40035
Austin S	16733
Austin S W	1401
	42890
Austin W	44328
Austin W G L	397

	Item
Australia Apple and Pear Board	15351
Australia Bur of Agricultura Economics	6104
	23245
	39462
	76245
	84764
Australia Bur of Census and Statistics	6064
	6105
	6990
	13567
	13881
	22174
	26618
	27032
	29170
	30688
	30747
	31088
	31307
	40959
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	47773
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	56499
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	65251
	74940
	78985
Queensland Off	7460
	13568
	74548
	93171
Tasmanian Off	6065
	30309
Victorian Off	75971
Western Australian Off	21907
	23124
	31089
	56502
	65252
	83571
	83572
	84765
	92686
Australia Canned Fruits Board	14135
Australia Central Tobacco Advisory Committee	57580
Australia Commonwealth Scientific and Industrial Research Organization	1711
	4157
	8089
	8090
	10946
	20613
	56455
	87502
Chemical Research Laboratories	22823
Dairy Research Sect	13835
Div of Fisheries and Oceanography	14642
Div of Food Preservation	21874
Div of Forest Products	26855
	50014
	79487
Australia Dairy Produce Board	30442
Australia Dept of Primary Industry	31090
Div of Agricultural Production	14630
Australia Dept of Territories	40240
Australia Dried Fruits Control Board	22414
Australia Egg Board	40083
Australia Forestry and Timber Bur	2562
	79083
Australia Fruit Industry Sugar Concession Committee	57900
Australia Meat Board	22552
Australia Tariff Board	90291
Australia Wheat Board	6745
	84408
Australia Wine Board	30344
Australia Wool Bur	20359
	22175
Wool Statistical Serv	30748
Australia Wool Research Committee	6456
	83994
Australian and New Zealand Greyhound Association	80520
Australian Association of Stud Merino Breeders	54874
Australian Corriedale Association	4027
Australian Dried Fruits Association	39728
Australian Illawarra Shorthorn Society	62530
	90807
Australian Institute of Agricultural Science	94261
Australian Jersey Herd Society	3237
	45400
Australian Jockey Club	36870
Australian Pulp and Paper Industry Technical Association	71507
Australian Society of Breeders of British Sheep	63387
Australian Society of Dairy Technology New South Wales Div	6169
Australian Veterinary Association	79746
Austria Bundesministerium fur Land- und Forstwirtschaft	7461
	14820
Austria Bundespressedienst	7462
	94262
Austria Statistisches Zentralamt	6067
	14430
	39081
	67029
	76506
	85956
Austrud T S	54978
Auten D K	82477
Autery C L	58786
Authosserre L	26212
Autret M	67103
Autrum H	21448
	29412
	37949
Autrum I	29412
Autschbach P	7579
Auwera G van der	39663
Auxilia M T	28357
Auyang T S C	50108
Avadhani P N	1313
Avadikian R G	80526
Avakov G S	49903
	86285
Avakyan A A	955
	69321
Avakyan Kh M	85479
Avakyan N O	78781
Avakyan V A	41961
Avall H	9804
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	25960
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	89177
Avall K	18416
Avanesyan M A	46470
Avanzado M B	19166
Avanzi C F	28237
	72587
Avanzi E	69322
	76712
Avanzi S	16275
Avanzo E	90081
Avdalovic S	86736
Avdalovic V	79240
Avdeenko N D	24113
Avdeev I P	66724
Avdeev N	56060
Avdeev N E	64861
Avdeeva E V	46312
Avdeeva M M	68549
Avdonin N S	59767
	78559
Avdonin N S	89932
Avdot'in L N	30035
Avdus' P B	93684
Avellaneda J M	22824
Avendano T R	88503
Averbeck W	63321
Averdunk	84668
Averin Yu	90575
Averina L I	69763
Avermaete W	68711
Averna V	956
	1193
	89477
Avery D J	73264
Avery G	61773
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Avery G S	49904
Avery R J	28457
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Avery T B	3037
Aver'yanov S F	26395
Aver'yanova G K	6948
Avetisyan A D	81619
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Avetisyan O R	12317
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Avetisyan V E	86419
Avgustinskii V	79875
Avidov Z	20561
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Avigad G	16888
Avila Herndandez	77300
Aviles G N	24228
Avilés P C	33875
	89438
Avillez D	71636
Avilov A I	16505
Avilova L D	68550
Avis P	71539
Avizohar-Hershenzon Z	238
	77086
Avraamova O P	26093
Avram C	26800
Avram P	44141
	78560
	78740
Avramescu A	52698
Avramoaie L	34120
Avramoaie P	42413
Avramov L	957
	24788
Avramova Kh	69503
Avrigeanu G	78782
Avril P	2175
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Avron M	69167
Avrorin N A	58482
Avrutina A Ya	54700
Avshalumova A D	75392
Avundzhyan E S	33833
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Awad F I	45549
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Awad Y L	45851
Awasthi K S	10059
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Awasthi O P	52829
Awasthi P	42176
Awasthi P N	75905
Awasthi Y C	66130
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Axamit J	84140
Axelrod D I	23852
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Axelrod H	4536
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Axelson R D	91191
Axelsson F	1838
	69910
	69911
Axelton M C	60473
Axford D W E	48504
Axionova I	78860
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	29282
Axthelm B	70754
Ayal E B	40418
Ayala A	8618
	68051
	87102
Ayala Lopez R O	62421
Ayala Martin A	80934
Ayala Martin E	85623
Ayazi M	18417
Aycock M E	7380
Aycock R	596
Ayers A S	43933
Ayers G W	15934
	15969
	16065
Ayers H D	18465
	26396
Ayers J E	65754
Ayers T T	50724
Ayerst G	6632
Ayfantis S	11928
Aykroyd W R	15416
	74383
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Aylesworth P F	14821
	67276
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Aylmore L A G	17910
Aylward F	9227
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Ayrapaa T	65278
Ayre G L	55873
Ayre J	13461
Ayres A D	14055
	30936
Ayres A S	26213
Ayres J C	22762
	56412

	Item
Ayrshire Breeders' Association of Canada	19621
Ayrshire Cattle Society of Gt Brit and Ireland	62531
Aytug B	24550
	90460
Ayuzawa C	4844
	4845
	20978
	20979
	37916
Ayyangar G N R	89116
Ayyar L V	26397
Ayyar V R	74941
Azariah M D	24789
	26214
Azarin G	76084
Azarov G S	11473
Azaryan E Kh	45232
Azar'yan M	86604
Azbukin Yu M	44786
Azeemuddin S	58920
Azev S	66617
Azevedo A L	18147
Azevedo M D	88159
Azhar R	48685
Azhkeev A I	69654
Aziev K G	63947
Azim A	29515
Azimov A R	1712
	1713
Azimov G I	27228
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Azimov I	72081
Azimov Kh U	88310
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Aziz K M S	67554
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Aziz M A	88311
Aziz S A	55992
Azizbekova Z S	33834
Azlyarkhodzhaev A	85266
Azmaiparashvili L S	89448
Azocar C P	88505
Azuma K	30274
Azuma Y	29912
Azykov K	75972
Azymov G I	90576
Azzam H	78561
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Azzawi M	38279
Azzolini B	43849
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Ba L T	16276
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Baader W	38686
	38687
Baak B C P H van	26398
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Baardseth E	59228
Baarli J	38574
Baarn Centraalbur voor Schimmelcultures	24071
Baars A W	13836
Baarschers W H	70116
Baas J	20562
Baas M J	57908
Baasch P	62718
Baasen E	13362
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Baba G N	77863
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Babaev A	90179
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Babaglio M A	46367
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Babayan R S	78562
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Babbar O P	20183
Babbieri G	74495
Babcock D R	14643
Babcock G E	6792
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Babcock H M	2538
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Babcock P A	68217
Babel F J	65396
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Babel U	18031
Babenko I I	65043
Babenko L V	55254
Babenko N V	52699
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Babes S	51990
Bab'eva I P	35197
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Babich M A	63616
Babich M I	56928
Babicki R	90461
Babii M S	17328
Babii V S	63973
	73265
Babikova G G	70493
Babin G V	6991
Babini A	79747
Babkina O T	30368
Babler R	7463
Babo F Freiherr von	15183
Babo M F da S	47849
Babos I	61809
Babos L	73493
Babos S	53821
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Babriwala G T	35286
Babu C N	9525
Babu D R C	25118
Babuchowski K	48809
Babuk V I	78639
Babushkin L N	94573
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Baca J	75383
Baccetti B	4693
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Bach H	49116
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Bacharach M M	72514
Bachelard E P	50931
Bachelder S	33150
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Bacher F	45026
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Bachinskii V P	11929
Bachmaier F	4863
Bachman K L	57621
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Bachmann A O	29516
	82501
	82502
	82503
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Bachmann F	75263
Bachmann O	60308
Bachmann W	36772
Bachmura F T	31788
Bachnick G	54869
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Bachofen R	34221
Bachrach H L	36220
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Bacic M	90962
Back H L	21606
Back J F	57437
Back R E	73099
Back W B	14659
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Backeberg C	89
	86420
Backer J de	94119
Backer S	30758
	65582
Backes C L	69276
Backman U	47682
Backmund	53219
Backmund F	71351
Backus M P	50120
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Backus R H	9228
Bacle J	56989
Bacle J F	91470
Bacon E	94025
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	33029
	33030
Bacq C M	68551
Bacq Z M	68873
Bacsa P	69454
	70117
Bacsich P	11546
Bacsis G	34456
	43177
Bacso A	89478
Bacso N	3219
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Bacvanski S	3383
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	90888
Baczkowska H	91383
Badalov A	76085
Badalov N	73467
Badalov N G	73463
Badalyan V S	88312
Badami R C	66103
	75504
Badanin N V	3419
Badanoiu G	11077
Badanova E A	17937
Badawi H	3423
Badawy A	81834
	82213
Badawy A--Cont	82281
	82282
Badcock R M	21477
Bade M L	73798
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Badea M	2641
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Baden P	39119
Baden W	67177
Baden-Wurttemberg Statistisches Landesamt	30689
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Badenhorst D F	84547
Badenhuizen N P	42473
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Badenko I I	89843
Bader F J W	8647
Bader K L	70026
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Bader-Beck H	83492
Badescu G	44862
Badger D D	30960
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Badger W L	18418
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Badi K H	42089
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Badings H T	56700
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Badnjevic B	36541
Bado G	69912
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Badouin R	49547
Badour S S A	24791
Badoux E	18775
Badoux S	69504
Badre L	66311
	66312
Badrelin A L	72455
el-Badry E A	82115
	82208
Badstue P B	20184

	Item
Badulin A V	28944
Badura L	43995
Badura R	91180
	91181
Badyudin A G	35983
Baechler R H	2835
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Baehr H A	76507
Baeker U	26399
Baelde I	24792
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Baenziger H	50653
Baer J G	73885
Baerecke M L	8575
Baerg W J	12758
Baert L	68711
Baerug R	26215
Baerwald U	74176
Baets A de	58921
	61632
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Baetsle P	44142
Baeumer K	24793
Baev A	35667
Baeva A I	44208
Baeva R I	69323
Baeyens L	2176
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Bagaev S N	79182
Bagaev V B	8864
Baganz K	21609
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Baghdad University	94943
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Bagnall R H	810
Bagnaresi U	8322
Bagny M O	84773
Bagot Y	22283
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Bagrii B A	19438
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Bagrov M N	18419
Bagrova R Kh	90445
Bagshaw F	1799
Baguley M J	90149
Bahadur I	12942
Bahadur J	29517
	29563
Bahamas Agricultural and Marine Products Board	7971
Bahler E L	19190
Bahme R B	44143
Bahndrof E	71395
Bahrecke G	19375
Bahrmann R	73410
Bahtijarevic E	80000
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Baiburttsyan A	71723
Baiburttsyan A A	46142
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Baida Kh S	59357
Baiduhanova K P	72913
Baidyuk A T	29888
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Baiko V P	25879
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Bailey W R	14822
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Baillie A	78406
Baillie J T	84141
Bailly-Choumara H	73152
Bailov D	16501
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Bailova-Yankulova M	24398
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Bail'ozov D	79942
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Baima A da C	43083
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Bain D C	24197
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Bain J S	31804
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Baines J	26216
Baines R C	78972
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Bair F L	61161
Bair R A	61332
Bairacli-Levy J de	91271
Bairaktari F	78517
Bairamov M	61017
Bairamov S	89900
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Baird R L	30256
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Baisden L A	80336
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Baisted D J	88104
Baitin A A	90052
Baitulin I O	68553
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Bajaj J C	78389
Bajaj Y P S	33647
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Bajescu N	51969
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Bajlova-Jankulova M	24399
Bajor F	1646
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Bajpaye N K	17015
Bajwa B S	34620
Bajwa G S	80219
Bakaev A A	66212
Bakai S M	27310
Bakalo A N	90808
Bakalor S	6200
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Bakarcic M	24198
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	Item
Bakarić V	14823
Bakeeva E N	20456
Bakel J M M van	41733
	41734
Bakels F	45708
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Baker B	19939
	20542
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Baker H C	7178
Baker H G	718
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Baker H K--Cont	1543
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Baker W L	28720
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Baker W V	38557
Bakerspigel A	42178
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Bakhanov S G	59770
Bakhcheranova M P	70092
Bakhilov G I	80483
Bakhmutov V A	92749
Bakhramov A	87506
Bakhshi J C	9439
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Bakhshiev G A	8323
Bakhtadze I G	68555
Bakhtadze K E	30891
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Bakker E M	49906
Bakker G de	15528
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Bakker-Arkema F W	59771
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Bakshi J S	24611
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Bal A K	24551
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Balaban V	75912
Balabanova A A	3045
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Balachandran A	6146
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Balaci M	28504
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Balakhonov S I	89759
Balakina G P	90445
Balakrishna S	2983
Balakrishnan M S	67555
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Balakrishnan N P	41356
Balakrishnan T K	1052
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Balanescu G	74508
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Balashenko S G	72083
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Balashov I S	88506
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Balashov M T	72901
Balashov N T	27205
Balashov T	89119
Balashov Yu S	12759
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Balasundaram V	66213
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Balayan L N	81697
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Balbierz H	63617
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Baldini E	9640
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	Item
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Baldo J I	62353
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Balfour-Browne F	4976
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Balinsky B I	29782
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Ballesteros E	54742
Ballinger R A	84996
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Balmaceda R H	58347
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Baluch M A	59727
Baluch M A A	48169
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Balusek F	32016
Balut S	33837
Balvanera Herrera J	37035
Balwani T L	90579
Balwani T N	90580
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Balyura V	34376
Balyura V I	57458
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Banca Nazionale dell'Agricoltura	14825
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Banco Agricola y Pecuario	85200
Banco Central del Ecuador	21875
Banco de Fomento Agropecuario del Peru	85201
Banco de Guatemala	75814
Banco de la Republica Bogota Colombia	94173
Banco di Sicilia	22954
Banco do Estado de Sao Paulo	75867
Banco Nacional de Credito Agricola	57667
Banco Nacional de Fomento Tegucigalpa	13678
Bancroft A D	85678
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Bandaranayake A	27306
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Bandini M	40419
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Bandoni R J	239
Bandurski R S	1355
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Banfi G	50940
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	Item
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Bank of Greece	85202
Bank of Israel	31654
Bank of New South Wales	1544
Bank of Nova Scotia	85328
Banker R	4781
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Bankhead W	48830
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Banque Nationale pour le Commerce et l'Industrie	30277
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Baptiste E D C	75673
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Baquiast M	49581
Bar A	22588
Bar L	90896
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Baranovskii P	68556
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Barbosa L A G	23854
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	Item
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	Item
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Barros e Sousa M L de	88257
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Baryshnikov P	15529
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	Item
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Basutoland Dept of Agriculture	15484
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Baszynski T	8871
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	Item
Baumann H--Cont	52707
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Baumann W E	18258
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Baumgartel T	6203
Baumgarten O	85830
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Baumgartner H	6285
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Baumgartner P	14022
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Bauriedel W R	54914
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	Item
Beaulaton J	29635
Beaumont	74892
Beaumont A N	85816
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Beaver P C	19985
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Bednyagin F I	27595
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	Item
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Behmer M	25547
Behmer M L A	13837
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Behrens H	20486
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Behrens W U	44148
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Bei-Bienko G Ya	29234
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Beier M	82116
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Beijers J A	63139
Beijers J D	45738
Beilharz R G	11141
	11142
Beilharz R G-- Cont	11395
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Beilharz S	20337
Beilin M I	91830
Beilis M E	5891
Beilis-Vyrovaya R A	59366
Bein M	6241
Bein S J	58926
Beinart I I	62143
Beineke W F	26929
Beinert H	87518
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Beinhauer W	90969
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Beirne B P	37445
Beiss U	59118
Beiter C B	50431
Bejan G	90542
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Bekbulatova Z D	59589
Bekel'man M	65670
Bekemeier H	72361
Bekesy N	43851
Beketov A	17238
Bekhbudov A K	44331
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Bekirov I B	72767
Bekirski D M	42727
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Bekius J D	84284
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Bekker E G	12760
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Bekker Z E	26093
Bekkum J G Van	54252
Beklemishev V N	55257
Bekseev Sh G	34873
Bekshegonov F Ya	53667
Beksler B A	48507
Bekuzin A A	29750
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Belavskaya A P	68094
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Belenkov D A	2838
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Beletskii I B	18932
Belevtsev D N	59780
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Belgian Congo	30313
Belgian Congo Serv de l'Agronomie	44464
Belgische Dierenartsen Vereniging	3084
Belgium Direction Generale des Etudes et de la Documentation	31655
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Belgium Institut National de Statistique	6068
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Belgium Ministere des Affaires Etrangeres	31789
Belgium Nationale Zuiveldienst	39408
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Belgium Off du Commerce Exterieur	15353
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Belknap R	30753
Belknap R G	22179
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Belkovskii V I	35431
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Bellani L	19625
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Bellas Rivera R	24509
Bellati B	49118
Bellavite E	41590
Bellerive A	92021
Belli O von	74864
Belliazzi U	76816
Bellier G	19465
Belling H	11143
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Bellinger P F	29636
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Bellini G	853
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	Item
Bellini R	85332
Bellis D B	28578
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Bellis D M	77823
Bellis E	18225
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Belogarskaya E V	68138
Beloglazov D F	9343
Belogub D K	37294
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Belokhvostov A G	36216
Belonenko N M	22143
Belonje P C	20361
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Bel'skaya M A	17873
Bel'ski B B	17940
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	Item
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Bensink J	87523
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Benson P	65108
Benson R B	5278
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Bensoussan M	17313
Bensusan H B	84603
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	Item
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Berkeley Bank for Cooperatives	7381
Berkeley Symposium on Mathematical Statistics and Probability	55714
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Berlin Bundesforschungsanstalt fur Getreideverarbeitung	57131
Abteilung Starkefabrikation	6748
Berlin Deutsches Institut für Zeitgeschichte	31656
Berlin Deutsches Padagogisches Zentralinstitut Sektion Unterrichtsmethodik und Lehrplane	53136
Berlin Deutsches Wirtschaftsinstitut	32079
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Berlin Humboldt Universitat Forstwissenschaftliche Fakultat Eberswalde	61674
Berlin Humboldt Universitat Forstwissenschaftliche Fakultat Eberswalde--Cont	
Institut fur Agrarokonomik	47683
Berlin Statistisches Landesamt	6071
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	Item
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Bhowal J G	87463
Bhramaramba A	14485
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Bhujang K S	22220
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	Item
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Bignozzi L	54505
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Bihar Central Bur of Economics and Statistics (Agricultural Statistics)	74550
Bihr O	72870
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Bijherle C	47601
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Bijok K	16286
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Bilbao Camara Oficial de Comercio Industria y Navegacion	21908
Bilbro J D	25393
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Bilewicz-Pawinska T	21270
Bilewsky F	50105
Bilgrami K S	8313
Bilgrami K S-- Cont	8314
	8315
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Billups N F	71556
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	Item
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Biometrics Society	33758
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Birch L C	12861
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Birch-Andersen A	80003
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Biwejnis-Kłosowska D	71925
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	Item
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Blander B A S	24719
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	Item
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Blood P T	52114
Bloodstock Breeders' and Horse Owners' Association of Ireland	72385
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Bluthgen P--Cont	47065
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Bluvshtein I N	8416
Blyakherova R M	88408
Blyn G	23810
Blyth A	83087
Blyth J	72755
Blyth J E	2867
Blyth R P	9548
Blyumberg V	83284
Blyumenfel'd L A	16700
Bo F	11006
Bø S	74689
Boals G P	94750
Boam T B	21242
	38214
Boarder A	34713
Boardman C M	90388
Boardman N K	88114
Boatman D J	33467
Boatright D D	43679
Boavida M	71732
	72828
Boawn L C	52465
Boaz T G	91832
Bobadilla G F de	17365
Bobb A C	9610
Bobb M L	4674
	81744
Bobbit J M	34290
Bobbitt J M	1324
Bobby F C	48833
Bobek H P	90074
Bobek S	11574
Bobes I	67776
	68967
Bobeth W	13926
Bobikyan R A	61113
Bobin A	80529
Bobinski Z	70199
Bobkov N K	44070
Bobkov V P	78788
Bobnev A D	16520
Bobok B D	75964
Bobok L	26890
Boboreko E Z	77482
Bobrakov B P	93564
Bobrov A A	11974
Bobrov A E	87248
Bobrov A I	36029
Bobrov E G	8118
	58619
Bobrov P F	62806
Bobryshev A	11397
Bobryshev F I	59791
Bobrysheva A M	87534
Bobyleva E A	6406
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Bobyr A D	41966
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Boccacci G	11221
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Boccadoro B	80935
Boccard G	75266
Boccard R	63429
Bocchi G D	79774
Bocchio F	76353
Boccia M	45245
Bocevski D	40204
Boch	94880
Boch J	20488
	72979
Boch M S	59235
Boch R	4783
	73413
Bochagov N	14689
Bochantsev V P	15687
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	15716
	15717
Bochantseva Z P	25699
Bocharov I A	62538
Bocharov S N	42376
	42377
Bocharov V S	79274
Bocharova L P	37741
Bochdalek R	27965
Bocher T W	15626
	23940
	24559
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Bochkarev A I	92866
Bochkareva Z A	58969
	86891
Bochko N A	35894
Böchlein H	65357
Bochnig E	61039
Bocioaga V	94062
	94063
Bock G	42497
Bock H D	71641
Bock J H	93112
Bock K R	58934
Bock U	42953
Bock W	76822
	83363
Bockelee-Morvan A	10162
Bockelmann H von	31428
	75815
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Böckenförde G	8888
Bockenhoff E	39943
	48647
	84649
Bockholt A J	25301
Bockhorn K H	64941
Bockmann H	88260
Bocko J	70499
Bocksch W	12197
Bockstaele L	65671
Bocquet	83448
Bocquet G	41365
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Bocquet H	45246
Bocquet P	45249
Bocsa E	50345
Bocsor G	27597
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Bocz E	59792
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Boczek J	20862
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Boda J M	11631
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Boda K	80996
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Boda K--Cont	90976
	90977
Bodard M	24000
Bodart C	80131
Bodasinski B	94464
Boddie G F	53830
	90588
Bode H R	24812
	24813
Bode O	41967
	41968
	41969
Bode V C	87677
Bodegom J van	58620
Boden E A	57251
Boden R W	55218
Bodendistel J K	3665
Bodenheimer F S	8016
Bodenstein D	4867
Bodenstein O F	12330
	28840
	37535
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Bodi I	52716
Bodig J	71491
Bodin S	62725
Bodini F	74852
Bodnar S	47744
Bodnar' S G	94072
Bodo G	87779
Bodo L	63541
Bodot P	47230
Bodrogkozy Gy	87148
	87149
Bodrossy L	27450
	71733
Bodrov V A	61992
Bodrova I M	68053
Bodurov N	36389
Bodvarsson H	38558
Bodyako V	72260
Boe K N	10708
Boeckh J	82784
Boehm B	20937
Boehm E	403
Boehm E W	56976
	84210
Boehr B	73414
Boehringer E G	72590
Boehringer I K de	72590
Boekel P	78275
Boekhaus W F	3731
Boekholt K	69329
Boelema B H	24208
	41748
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Boelter D H	9996
	50914
Boenjamin H I	16521
	16522
Boer F de	4198
	11481
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Boer H de	63552
	90811
Boer H W de	32735
Boer Ij de	57406
Boer J A de	14512
Boer J P de	79630
Boer P de	79630

	Item
Boer P B de	36885
Boer P J den	4979
	46777
Boer R de	47264
Boer T A de	88519
Boer W de	41744
	60931
	80005
Boer W den	8329
	9862
	24114
	52177
Boerema G H	77093
Boeren Jeugd Bond-Centrale	32487
Boerendonk M J	85783
Boerner E S	43562
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	69887
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Boero J J	20619
Boersma H Y	40085
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	48834
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Boersma L	35507
Boersma T	57460
Boeru I	91277
Boesman G	60742
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Boessneck J	54045
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Boettiger E G	4887
Boetzelaer G J van	13116
Boev B	91849
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Boev P	28282
Boev S N	11222
	53831
Boev V	94358
Boev V R	22827
	85002
Boevskii A S	33156
Bogaard G M	5352
Bogacheva I I	16523
Bogacheva S D	87535
	88115
Bogacz S	83712
Bogaerds N	66737
Bogaert G van	60503
Bogar F D	57615
Bogardus R K	14078
	14138
	39731
Bogart R	3331
	3530
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	36927
	37223
	72449
Bogatko J	91425
Bogatyrev K P	78517
Bogatyreva S A	45995
Bogavac M	92146
Bogdan A	68763
Bogdan A V	1549
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Bogdan I	13164
Bogdan I V	57398
Bogdan J	81028
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Bogdan J F	30855
	39467

	Item
Bogdan-Blakitnyi R	14748
Bogdanov G	46183
Bogdanov G A	91792
Bogdanov I	88857
Bogdanov Kh P	2370
Bogdanov L V	20089
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Bogdanov O V	20192
Bogdanov P I	59793
Bogdanov P L	26860
Bogdanov V	46429
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Bogdanov V Ya	10318
Bogdanova V	50957
Bogdanova V N	67777
Bogdanovic M	28529
Bogdanovskii A	89355
Bogdanowicz	38752
Bogdanowicz J	5808
Bogdanska H	39732
	75150
Bogdanska H W	39733
Bogdanski C A	14139
Bogdanski K	8889
	31011
	33846
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Bogdanski K A	39733
Bogdarina A A	73069
Bogdashkin P	21743
Bogdashkin P I	5885
Bogdonoff P D	20146
Bogel K	19790
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	72097
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	80231
Bogen H J	59794
Boger G A	23551
Boggess W R	19336
	53223
Boggiatto A J	69766
Boggild O	29284
Boggs J P	54459
Boggs K B	30742
Bøgh H	43053
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Bognar C	54861
Bognar K	68572
	91609
Bognar S	37701
	64276
Bogner H	11398
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Bogner R L	65067
Bogod M	74645
Bogolepov V I	37348
	91834
Bogolyubova O P	25605
Bogolyubskii S N	27207
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	63439
Bogomaz V A	79570

	Item
Bogomolov B D	62144
	62145
	90446
Bogomolov G V	18424
Bogomolova N N	59795
Bogomyagkov S	25329
	88323
Bogorad L	88121
Bogota Instituto de Fomento Algodonero Dept de Investigaciones Economicas	84003
Bogota Instituto Nacional de Abastecimientos	75976
Bogoudinov N H	82019
Bogovik I V	8417
Bogre J	36959
	63267
	63346
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Bogue D J	7339
Boguleanu G	46733
	81675
Bogun S S	50436
Boguslavskii P	26579
Boguslawski E von	974
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	52874
Boguslawski F	85270
Boguszewski W	10163
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Bogyo N	66123
Bohannon R A	26140
Bohannon R R	75180
Bohart G E	12321
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Bohart R M	12952
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Bohidar S C	82156
Bohl C	3243
Bohl C H	45711
Bohl E H	11858
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Bohlen J M	7837
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Bohlken H	54046
Bohlmann F	51456
	88116
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	88119
Bohlmann H	56843
Bohm B A	9233
	60289

	Item
Bohm H	20805
	28246
	29061
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Bohm O	15879
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Böhm R	71584
Bohman V R	3323
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Böhme B	47612
Bohme H	16482
Bohme W	84316
Bohmont D W	982
Bohn G W	33421
	34874
	42345
Bohn K	47352
Bohn S	66058
Bohne F	46226
Bohne H	67672
Bohne P W	56217
Bohnen K	32624
	77094
Bohosiewicz M	79760
Bohr R	32869
Bohren B B	3313
	20120
	20129
	72457
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Bohrisch W	92688
Bohstedt G	3029
	27229
Bohusz G	17346
Boiagian Z	71489
Boichenko E A	16892
Boidin H	81621
Boidin J	24076
Boikinov A	82956
	83037
Boiko A A	5992
	62344
Boiko D F	37169
	53742
Boiko G	60399
Boiko G P	1840
Boiko M M	36207
Boiko M S	56273
	83237
Boiko V A	37517
Boiko V P	66059
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Boikov A	92220
Boikov D	87536
	88829
Boillot A	77360
Boillot J B	4124
Bois P J	10998
	19220
	90410
Boischot P	34343
Boisclair G	13770

	Item
Boit H G	16893
Boiteau P	87537
Boiteau R	82934
Boivin B	58621
Boixo de	89449
	89484
	89829
Boixo P de	39124
Boján M	47744
Bojinovic M	20193
Bojnansky F	86901
Bojnansky V	41970
Bojor O	43853
Bojtos Z	69512
	77928
Bokarev K S	25410
Boke N H	50661
Bokemeier R	49216
Bokermann W C A	38080
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Bokhin F I	44335
Bokhovkin I M	62168
Bokil S D	94439
Boko F	53832
	90589
Bokonyi S	90773
Bokor B	66504
Bokori J	11933
	72996
Bokshanin Yu R	19142
Bokuchava M A	34256
Bokx J A de	16117
	41971
	77216
	77217
Bol' B K	53833
Bol' K G	53833
Bol M	71132
Bolaffi R	94881
Bolaños M	33875
	89438
Bolaria T S	33847
Bolas C	35461
Bolay A	67673
	67778
Bolay E	16338
Bolbas M F	31541
Bolbochan E K	64933
	74189
	74190
Bolcato V	6204
	75527
	83744
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Bold H C	41510
	58755
Boldea E	34407
	43107
Boldina I K	73506
Boldingh J	83745
Boldizsár H	28270
Bolduan G	27493
Boldychevtsev V G	10801
Boldyrev A I	52459
Boldyrev M I	92424
Boldyrev N K	70501
Boldyrev P	14513
	22126
Bole P V	24018
	67417
Bolecek S	72026
Boles D E	58074

	Item
Boley L E	27703
Boley L T	80233
Bolgarev P T	9643
Bolgov I V	44626
Bolhuis G G	85337
Bolin D W	3868
	37318
Bolin F M	3087
	20194
	30227
Bolinder A	9234
Bolivia Direccion General de Estadistica	7851
Bolivia Serv Agricola Interamericano Div de Economia Agricola	6072
	31658
Bolkova A A	63808
Boll E O	32266
Boll W G	1325
Bolla G	79084
Bollaerts D	64067
	73596
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Bollard E G	1138
	24814
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Bolle F	41594
Bollem W B	2075
Bollen W B	10062
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Bolliger O	30527
	30528
	48082
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Bolline M A	89901
Bolling H	6749
	57178
Bollman A	2071
Bollman D L	36378
Bollwahn W	12239
	37362
	72980
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Bolly L	75181
Bolman J	32736
	67184
Bolobolova V M	2357
	9401
	51610
Bologna L M	23378
Bologna Camera di Commercio Industria e Agricoltura	13571
Bologna (Province) Ufficio Provinciale di Statistica	23132
Bolondz' G V	74928
Bölöni I	29930
	64845
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Bolotin M	10653
Bolotina N I	17942
Bolotov K D	34482
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Bolotov M P	74400
Bol'shakov M N	35462
Bol'shakova V S	71081
Bolster C L	17653
Bolster H G	7852
	76510
Bolt G H	17943
	18018
Bolte L C	75292
Boltenkov N V	10164
	73273
Boltinskii V N	13117
	13308
Bolton A T	15977
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Bolton B	49285
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Bolton E M	1976
Bolton F	51684
Bolton J	44153
Bolton J L	1551
Bolton J W	15116
Bolton W	11915
	63225
Bolton Hennessey & Partners	44336
Boltshauser E	88520
Bolus H M L	91
	32728
	32737
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	67418
Bolwell C E	79584
Bolwyn B	33077
Bolyshev N N	70502
Bolz G	24690
Bolz W	28095
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Bolzan J E	39909
Bom F	66153
Bomar M	45039
	47753
Bombaugh K J	25883
Bombay Dept of Agriculture	15485
	31094
	65850
Bombay Dept of Animal Husbandry	45379
Bombay Dept of Co-operative Societies	23552
Bombay Millowners' Association	6463
Bombay Provincial Sarvodaya Committee	14828
Bombenger J P	19791
Bombosch S	46734
Bomeke H	14198
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Bömer H	28639
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Bommer D	24815
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Bommer S	67106
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Bomtempo A	89340
Bomtempo P	47979
Bonacker F	48909
Bonadona P	21090
Bonadonna T	32523
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Bonaduce A	80793
Bonasch H	28038
Bonato C	65851
Bonatti F	54258
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Bonaventure P	24202
Bonavolonta A	80794
Bonavolonta G	80794
Bonchev N	28640
Bond D C	12448
Bond E E	1519
Bond E J	4719
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Bond R S	18894
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Bond T E T	41973
Bond van Keurmeesters van Vee en Vlees	75435
Bondar G	92345
Bondarchuk V G	85338
Bondarenko A	22285
Bondarenko A S	7031
Bondarenko D D	1915
Bondarenko G K	50834
Bondarenko I V	8193
Bondarenko N G	74068
Bondarenko N I	50959
Bondarenko N V	29175
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Bondarenko O I	37014
Bondarenko S G	14749
Bondarenko S G	66444
Bondarenko S Kh	20697
Bondarev V A	21602
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Bondarev Yu F	62619
Bondareva V I	11222
Bondarovich M	63887
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Bondartsev A S	243
Bondartseva M A	41889
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Bonde E K	61492
Bonde E P	19908
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Bonelli P	11399
Bonem F L	47754
Boner G J	20365
Bones J T	90083
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Boneschi M	57133
Bonese M J	37545
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Bonfante R	5556
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Bonham-Carter A D	21801
Bonifacio A	33157
Boniforti L	6198
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Bonilla E S	88611
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Bonner W D	88153
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Bonoko Eiye J	71083
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Bonomi E	83887
Bonomi F	39734
Bonomi P	23133
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Bonsma J C	45381
Bontea V	33158
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Bontemps H A	19792
Bonthron-Squires E	36779
Bontoyan W R	70260
Bontya V	33035
Boo L	8891
Boock O J	16177
	24333
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	33178
Boocock D	73363
Boodley J W	976
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Boodt M de	52381
	52424

	Item
Boogaerdt J	3324
	28205
	36978
Boois H M de	88015
Booker S G	52340
Booker W L	58473
Bookhout B R	56503
Bool C H	90979
Boom H P A de	36227
Boominathan H	88468
Boon	44665
Boon C	57791
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Boon J van der	10165
Boonbongkarn C	78038
Boone A	38924
Boone D	53210
Boone D M	50269
Boone M A	20195
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Boonman D C M	56160
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Boonmongkol P	62727
Boonsong C	9235
Boonyaratana S	78029
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Boothroyd B	16064
Bootle K R	27083
Bootz H	81184
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Borchenko V I	9982
Borchers	15627
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Borchers R	62281
Borchert H	2017
Borchert K L	13346
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Borchmann W	61412
Bordarampe O H	88499
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	94120
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Bordas S	311
Bordbar M	17957
Bordeianu T	52716
Bordeleau R	66253
Borders H I	33159
Bordet R	11223
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	80530
Bordjochki A	3965
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Bordjoski A	45864
Borduge J	58359
Bordukova M V	59203
Borecka H	41975
Borecki Z	41746
	41747
	67779
Boreham H J	64539
	64540
Boren F W	64984
Boren R B	55598
Boretius J	45561
Borg A	1839
	15486
Borg G K	55365
Borg-Petersen C	36580
Borgan S	7581
	31795
Borgaonkar D S	41368
	42199
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Borgard D E	28802
Borgatti G	45955
Borge J	72458
Borgen H	13681
Borgen H C	27704
	36729
Borger H	4031
Borger K	45672
Borger P	43681
Borgeson C	1453
Borggreve G J	68680
Borghi A	53835
Borghi G	79799
Borgin K	36030
	53547
Borgioli E	27511
	54656
Borgioli E--Cont	62642
	43216
Borgman R F	37149
Borgman R P	50270
Borgmeier T	12863
	21091
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Borgstrom G	57051
	65052
Boria T	11766
Borie H	81923
Borikhina M G	34280
Borin B	19793
Borisenko E Ya	11400
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Borisenko P I	64846
Borisevich S F	45128
Borishpolets Z I	36228
Borisov A	75462
Borisov A M	47282
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Borisov S	94269
Borisov V	25799
Borisov V D	62394
Borisova A G	15718
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Borisova E N	61256
Borisova I V	68096
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Borisova K B	12864
Borisova K I	51434
Borisova L N	8809
Borisova M A	68600
Borisova S P	28632
Borisova V N	44041
Borisova-Gulenkova M A	68226
Borisovets K F	40646
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Borisovich Yu F	36229
	36266
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	63488
Bork B	48510
Borkenhagen M	93804
Borkhidi A	23942
Borkhsenius N S	21271
	37703
	92492
Borkovskaya V A	33849
	34381
Borkowski J	87174
Borkowski R	8892
Borkowski W	88521
Borlan Z	52472
	52733
Borlaug N E	77856
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Borlaza F C	84407
Borlin M	40547
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Borlund H P	4460
Borman C H	43092
Bormann F H	2699
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Bormotov V E	69995
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Bormuth W D	93442
Born F H	13165
	22445
Borneck R	76511
Borner H	16163
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Bornet G M	48176
Bornholdt R	66740
Bornholdt R C	49300
Bornholms Landøkonomiske Forening	43054
Planteavlsudvalget	
Bornkamm R	8649
	24817
Bornmann H	3759
Bornovalova A P	7327
Bornowski H	88116
	88117
	88118
Bornscheuer E	9526
Bornstein M	47764
Bornstein S	72498
	93945
Bornus L	29176
Borodaenko M S	76317
Borodenko M	49217
Borodenok A I	12110
Borodin A	31510
Borodin A V	66620
Borodin I	75050
Borodin I A	66738
Borodin I T	17018
Borodin I V	89266
Borodin M M	89966
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Borodin M V	89122
Borodin N N	10319
Borodin V R	27314
Borodina N A	59373
	59797
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Borodkin A V	29907
Borodulina A A	87540
Borodulina F Z	90182
Borodulina Yu S	61191
Borojevic S	88325
Boros A	89267
Boros D L	93354
Boros R	35293
Boroughs H	42501
	42502
	42555
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Borovik V	75914
Borovikova A Z	29063
Borovkov E A	20698
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Borovskaya T A	9044
Borovskii V	40548
Borovskii V M	52466
Borowiec S	10103
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Borowik T	85003
Borowitz J L	28936
Borowko-Dluzakowa Z	49901
Borowski M	44666
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Borowski P	71311
Borowski W	74268
Borozdin R G	32108
Borozdina A S	22606
Borozenkov D S	54746
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Borrie P F	30604
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Borries F B	21610
Borries H W von	40787
Borrill M	725
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Borriss H	24818
Borruso D	79522
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Bors J	2070
Borsenik F	22759
Borsky I	58312
Borsos O	86508
Borsotti J	90804
Borst G	41755
Borsten H	39468
Borthel V	71004
Borthwick H A	5863
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Bortitz S	51457
Bortner C E	70492
Bortolami R	80237
	80238
Borton D C	74943
Borts I H	79811
Borts I L	20456
Boruff C S	6110
Borut S	244
Borutzkii E V	55654
Borvan I	63578
Bory G	72829
Boryaev I	24819
Borys M W	42503
Borza A	68097
Borzakivs'ka I V	68574
Borzakovskii I V	88326
Borzani W	16525
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Borzemski E	53310
Borzini G	382
	24209
Bos J	26224
	44154
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Bos J van den	24820
Bos L	59112
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	Item
Bos R J	70721
Bosak D	31756
Bosc G	44772
Bosc J	83013
Bosc M	59120
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Boschan I	67675
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Boschetti A	42964
Boschi D	20938
Bosco R C	75977
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Bose A B	10863
Bose A N	30987
Bose B K	6458
Bose D K	57648
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Bose D M	33851
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Bose J L	1240
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Boser H	1326
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	37015
Bosher J E	50525
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Boshko G V	63852
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Boshoff W H	83183
Boskma K	35404
Boskoop Proefstation voor de Boomkwekerij	1751
Boskovic M	8330
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Bosley D	15188
Bosley J B	74391
Bosley P R	69804
Bosma B	25538
Bosma W A	61299
Bosman C J	19794
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Bosman H W J	75868
Bosman M S M	72098
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Bosman T J	26619
Bosmans P	58770
Bosoi E S	29931
Bossard E H	3846
Bossart D R	2614
Bossavy J	44865
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Bosselmann A	40160
Bosselmann W	40160
Bosser J	86427
Bosshard H H	19162
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Bost J	27315
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Bostian L R	58127
Bosticco A	3030
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Boston W T	93103
Bostrack J M	50966
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Bostwick C	39469
Bostwick D	31707
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Bostwick D	60401
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Boswell A M	75223
Boswell F C	70325
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Boswell T E	9841
Boswell V R	9809
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Boszormenyi Z	962
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Bot J	41748
Botan E A	93805
Botanical Society of America	86292
Botar A	51973
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Boteanu I	34389
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Botelho A T	7309
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Botezan V	34389
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Botezat T	61741
Botha G F C	6867
Bothma F	59800
Bothmer H	15189
Boti D	69060
Botkin M P	80997
Botnariuc N	64232
Botomyagkov S T	25330
Botos L	69632
Botosaneanu L	21479
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Botto V	75978
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Bottomley P J	71736
Bottorff A	2383
Bottorff C A	37016
Botts R R	40337
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Bottum J C	6868
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Botvaev I M	63441
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Bouat A	87543
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Boubals D	33160
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Bouby H	86391
Boucek Z	38368
	38369
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	38371
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Boucek Z--Cont	47073
	47074
Bouchard P	64541
Bouchaud C	82812
Boucher D	72438
Boucher F R	4015
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	28723
Bouchet J	86752
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Boudet G	86293
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Boudreau E L	76348
Boudreaux H B	82508
Bougard M	63889
Bougault M C	59375
Bougeard A	23461
Bougle B	91369
Bouharmont J	977
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Bouillenne R	33468
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Bouillenne-Walrand M	33852
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Boulanger L W	46533
Boulanger P	19448
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Bouma D	24886
Bouma G J A	5838
Bouma J	38607
Bouman T	6287
Boundy A V	40205
Boundy C A P	11299
Boundy J A	6759
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Bounhiol J J	46702
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Bourchier R J	8420
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Bourdeau P	50967
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Bourdette V	74970
Bourdier L	65284
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Bourdon D	22657
Bourdu R	9236
Boureau E	32625
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Bourgogne J	21365
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Bouriquet G	33036
Bouriquet R	24822
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Bourne R	16231
Bourne W C	89570
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Bouron H	46534
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Bourquin F	82674
	82675
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	82677
Bourrelly P	32905
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	50110

	Item
Bourrelly P--Cont	50574
Boursin C	47137
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	82679
Boury N'd J	43854
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Bousser R	40430
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Boutanski I	93806
Boutegege A	79961
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Bouteloup L	31308
Bouten L M	25544
Bouters R	36914
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Bouteville R	86552
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Bouteyre G	35222
Bouthilet R J	6111
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Bouveng H O	77485
Bouvier G	92000
Bouvy P	20457
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Bove J M	33855
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Bovey P	4868
	8017
Bovey R	67991
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	87002
Bovey R W	70017
Bovin A I	26704
Bovkun G G	34630
Bovsunovskii A I	85490
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Bowden R A	6288
Bowden S R	5353
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Bowden W M	15719
	15720
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Bowe R J	58444
Bowen A T	79409
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Bower J S	19206
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Bowers C A	38975
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Bowers H A	60858
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Bowers S A	9983
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Bowes A de P	32420
Bowes B G	727
Bowes D N	53837
Bowes J H	48612
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Bowles W D	61712
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Bowman D H	17013
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Box J E	35097
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Box T W	8650
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Boxer-Klub	72287
Boxsell L D	80008
Boy J B	22828
Boyadzhiev T	89571
Boyakhchyan A B	80936
Boyanzhu F	75450
Boyarovich N M	70175
Boyarskii A B	72404
Boyarskii B G	50470
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Boyazoglu P A	19987
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Boyce D S	13617
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Boyes J W	922
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Boyette G F	32448
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Boylan W J	4169
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Boyle J Mrs	43553
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Böyte I	36993
Boza J	28450
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Boza Barducci T	25395
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Boza Lopez J	54691
	54909
Boza Lopez J--Cont	55058
Boza P R	70120
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Bozdech J	77095
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Bozhidarevich A	34009
Bozhinov B	35723
Bozhko V	72099
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Bozkhov S	11965
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Bozo S	27533
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Bozzi C	18262
Bozzini A	59683
Bozzo L	30349
Braarud T	50662
Brabander H D	2592
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Brabec F	33595
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	27906
Bradbury D	39796
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Bradford G R	2076
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Bradford H W	65111
Bradford J	66904
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	Item
Bradford M-- Cont	67676
	67677
Bradford M S	34963
Bradford N H G	85833
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Bradley D B	34257
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Bradley S G	32485
Bradley W B	76626
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Bradley W H	67298
Bradshaw A D	34182
Bradshaw S	76627
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Brady J J	69332
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	Item
Brauner L	33860
Braungart D C	67299
Brauns M	25637
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Brazil Conselho Nacional de Estatistica	56504
Brazil Escritorio Tecnico de Agricultura	23136
Brazil Serv de Economia Rural	7340
Brazil Serv de Estatistica da Producao	39082
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Brazil Serv de Estatistica Economica e Financeira	94751
Brazil Serv de Informacao Agricola	7582
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Brebbia R	29415
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Bredemeier L F	53465
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Brereton J le G	38081
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Brewing Industry Research Foundation	56532
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	Item
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Bristol University Agricultural and Horticultural Research Station	9552
Dept of Economics	94362
Bristow J A	36033
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British Association for the Advancement of Science Research Committee	94270
British Columbia Dept of Agriculture	3786
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Agricultural Engineering Div	74198
Entomology Br	12447
British Columbia Dept of Agriculture	
Agricultural Engineering Div--Cont	
Field Crops Br	9985
	10020
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	35464
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Markets and Statistics Br	30314
British Columbia Dept of Industrial Development Trade and Commerce	15355
British Columbia Forest Serv	10975
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British Columbia Lands Serv	66509
British Columbia Natural Resources Conference	85341
British Cotton Growing Association	22183
	56846
British Ecological Society	33470
British Electrical Development Association	93003
British Friesian Cattle Society	54088
British Goat Society	63391
	72891
British Guiana Dept for Cooperative Development	49549
British Guiana Dept of Agriculture	23712
Sugar Experiment Stations' Committee	88732
British Guiana Lands and Mines Dept	85493
British Guiana Rice Marketing Board	75270
British Guiana Sugar Experiment Station	88733
British Iris Society	34717
British Landrace Progeny Testing Co	4170
British Museum (Natural History)	7
Dept of Entomology	91941
British National Carnation Society	78101
British Oil & Cake Mills	3979
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British Oil & Cake Mills--Cont	27907
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Pig Advisory Dept	4158
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Poultry Advisory Dept	3980
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Poultry Serv Dept	3895
British Rayon Research Association	13928
British Small Animal Veterinary Association	71738
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British Society for the Promotion of Vegetable Research	17559
British Society of Animal Production	79961
British Sulphate of Ammonia Federation	35593
British Turkey Federation	91478
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British Weed Control Conference	34964
British Weed Control Council	17655
British West Indies SEE West Indies (British)	
British Wood Preserving Association	10951
British Wool Marketing Board	93483
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	Item
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	Item
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	Item
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Bucharest Academia Republicii Populare Romane	315
Bucharest Institutul de Cercetari Agronomice	685
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	Item
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Buhner F	36230
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	72937
Buhner K D	90891
Buhr H	4870
Buhring J	42509
Buhrmann E	36992
Buhtz E	51585
	71986
Bui-Huy-Dap	42510
Bui-xuan-Nhuan	22186
Buiatti P G	62542
	62957
	91148
	91149
Buican D	68586
Buie T S	26590
	61596
	61597
Buina P M	71899
Buinaya P N	27557
Buinov A	91140
Buis R	87553
Buishand T	9811
	25801
	25802
	25803
	41754
	43592
	43593
	43594
	43595
	43596
	52075
Buisson A	63243
Buisson F du M du	55056
	81248
Buisson J C	85906
Buist J M	22781
	84917
	84918
Bujak A	81030
Bujak S	47775
	48429
	83616
	83955
	93625
Bujalski S	72769
Bujanowski K	94489
Bukasov S M	1845
	17560
	59382
Bukatar' P I	88937
Buker E O	54591
	80590
Buker R J	42346
Bukhalo A S	67583
Bukharov P S	13619
	39127
Bukhgal'ter B	14326
Bukhtoyarov I K	27631
Bukiewicz H	16834
Bukin E	70565
Bukin N I	79184
Bukin V I	70015
Bukin V N	72500
Bukina A G	37160
Bukina S P	62182
Bukojevic J	27244
	81006
Bukov A	71114
Bukovac M J	8856
	33907
	34898
	52850
	68815
	68977
	69142
	70672
	78753
	88071
Bukovac P	24213
Bukowski K	71742
	71743
Bukreeva N	60878
Buks I I	59238
Bukshtynov A D	89968
Bula R J	16750
	25141
	69518
Bulanova-Zakhvatkina E M	55658
Bulat H	26862
	42511
Bulatao-Jayme J	76583
Bulatova T I	36864
Bulatovic S	24564
Bulay R	62297
Bulboaca I	35941
	46635
Buldakov L A	20368
Buldakov Yu V	12061
Bulev S	68098
Bulgakov N P	44072
Bulgini M J D	73136
Bulimar F	92650
Buljevic S	55125
Bulkina E V	88202
Bull L B	3090
Bull M R	49121
Bull R	14079
Bull R A	1213
	22288
	67679
Bull R L	14080
	57033
Bull W C	25883
Bull W I	44858
Bullard E T	9193
	9945
	9962
	78239
	78254
Bullard W E	14830
Bulle V M	9937
Bullen E R	34967
Bullen J J	28250
Bullen M R	50852
Buller R E	88693
Bulling E	19454
	36231
	83450
Bullis D E	57330
Bullis S S	25479
Bullitt C	78832
Bullitta P	34484
Bullock A A	23910
	32750
	67378
Bullock C	60745
Bullock D H	39357
Bullock J A	12448
	28955
	63892
	81371
	81632
Bullock J S	15629
	87658
Bullock R C	12532
	37705
	55479
Bullock R M	34112
	34968
	43431
	43808
Bulman R	19172
Bulochnikova L A	94365
Bu'lock J D	25191
Bulow von	61862
Bulow V von	80680
Bult P	42512
Bultena G	10864
Bulter E J	91712
Bulushev Sh	66375
Bulychev M I	85495
Bulzacki W	85739
	94574
Bumanglag J	43688
Bumann K	82683
Bumbu Ya V	42513
	50978
Bunadarfelag Islands	23462
	41087
Bunce G E	36769
Bunce M E	246
Bunce P C	49122
Bunch C E	25423
Bunch F Q	22544
	84533
Bunch H D	5687
	66192
Bunch R J	12200
Bund C F van de	4424
	82151
Bund für Lebensmittelrecht und Lebensmittelkunde	30106
Bundy C E	80490
Bunemann G	22418
	31013
	31028
	68587
Bunemann O	23463
Bunescu D	52076
Bungartz H	84414
Bunge R	66906
Bunicelu E	80732
Bunkina I A	260
Bunnell R H	6029
	13524
	74509
	83324
	91391
Bunning E	42514
	42515
	55926
	58499
Bunt A C	9986
	43891
	78578
Bunt J S	10061
	32626
	33867
Bunter W A	25040
Bunting A H	51586
	88526
Bunting G S	8195
	41371
	50019
Buntova E	31097
Buntrock H	38913
Bunusevac T	10802
Bunyan J	63235
Buob J	79126
Buol S W	2180
Buonaccorsi A	28514
	62731
	62732
	72830
Buoncristiani D	22658
Buonoconto B C	25304
Buonocore C	82022
Bura D	79185
Buraczynski J	26145
Burakov Ya N	18263
Burakova A T	67301
Buranahet C	25993
Buranasiri M V	62255
Burand J	58132
Buras N	78537
Buratto L	62871
Burau R G	50979
Burba L G	37019
Burberg P H	75915
Burbutis P P	46515
	46516
	81520
	81633
Burcalow F V	23257
	62920
	65378
Burch C W	23257
	62733
	62920
Burch E B	12727
Burch G R	37520
Burch H	88859
Burch J E	27125
	44971
Burch T A	7191
	57461
	77976
	85551
Burch W G	10814
Burchak-Abramovich N I	59239
Burchard G	72633
Burchenko E V	19944
Burchfield H P	1962
Burchill P	85023
Burchill P I	47661
Burchill R T	67873
	67874
Burchinal L G	7839
	15191
	49571
	85380
Burckhardt E	35668
Burckhardt H	10349
	44341
	77045
Burckhardt I	36166
Burcur N	89450
Burczyk H	9451
Burd V S	13301
	56234
	83174
Burde H	4239
Burde N L	71576
Burdea N	93434
Burdekin D A	58941
	58942
Burdelev T E	3033
	3091
	3651
	3896
	13885
	72296
	80532
Burdenyuk A F	90984
Burdett R G	22607
Burdette L A	74270
Burdette W J	12865
	37918
	64647
Burdev A N	54919
Burdge R J	94742
Burdick E M	57053
Burdick G	24830
Burdick G E	17657
Burdine H W	33868
	33948
Burdine M	41088
Burdinski K	27711

	Item
Burditt A K	4675
	12493
	29064
	63979
Burdon D J	18431
Burdon-Jones C	73543
Burdonov E I	16537
Burducea O	28146
	36958
Burdygina V S	89486
Burdykin T D	25305
Bure J	6757
	65856
	84415
	84416
Bureau P	42516
Bureau de la Nutrition Animale et de l'Elevage	36980 36981
Buremalm N	21611
	43219
Burenin A A	10329
Burenina E P	19642
Bures J	75737
	75738
	75739
	76784
Buret P	23005
Burford M R	73135
Burford R L	66873
Burg E A	48430
	65775
Burg P F J van	18264
Burg S P	16894
	48430
	65775
	77491
Burgar R J	2642
Burgaz A	27712
Burgdorfer W	28820
Burge W D	17947
	52609
Burgeff H	87554
Burger A W	1554
	34485
	88261
Burger B	21789
Burger D	54583
Burger H	41160
Burger H C	4424
Burger H J	72831
Burger J	25575
Burger K	25885
	70327
Burger R E	11871
	72607
Burger W C	41372
Burgers J	66075
Burgert R	4032
	80903
Burges A	17875
	18088
Burges H D	73597
Burgess A	15424
Burgess E D	4349
	55170
Burgess G H O	31627
Burgess H J	53612
Burgess J	3330
Burgess L	12909
Burgess P G	77118
Burgess R W	4466
Burgess S	15192
Burgess T D	27571
	27713
	27714
	80501
Burghardt H	26226
Burghardt S	14750
Burghausen R	42517
	68588
	68589
Burghele E	4578
Burgi K	29994
Burgin C J	4785
	81927
Burgis D S	58909
Burgkart M	19798
	45407
	54416
	72281
Burgkart-Schnepf P	22090
Burgoyne D L	70016
Burgutbaev Kh K	2387
Burgy R H	2238
Buri D	70940
Burian K	76823
Burianek J	75724
	75725
Buric S	86757
Burikhin N N	40735
Burikova Yu N	92019
Burin J P	75675
Buringh P	23415
	61276
	69806
	70412
	94278
Burján A	74091
Burk C J	8654
	32697
	58576
	87150
	87151
Burk H	56648
Burk L G	33429
	42347
	51385
	60361
Burk M C	5950
	13452
	38914
	65102
Burkart A	32751
Burkatskaya E N	76649
Burke B S	32422
Burke C F	65482
	74138
Burke D C	49747
Burke D W	582
	60889
Burke E C	19630
Burke G	63177
Burke J	74401
Burke J A	17658
	25790
Burke J D	45712
Burke J H	39594
	48289
	56931
Burke M	79585
Burke R V	39795
Burke T J	1682
Burke W	35453
	78791
Burkett W K	31757
Burkhardt C C	20702
	20754
Burkhardt C C--Cont	55388
Burkhardt D	37953
Burkhardt D M	12015
Burkhardt G J	15889
Burkhardt H	43220
Burkhart R L	11788
	53843
Burkhead C E	30315
Burkholder P R	1268
Burkholder W E	20865
Burki F	19455
	45852
	54267
	54268
	72103
	72104
	72105
	72439
Burkill I H	67302
Burkin I A	34320
Burks B D	21322
Burkser G	90516
Burla H	5073
Burlakov N M	22554
	62543
	62619
Burleigh J R	24685
Burlein O	65113
Burleson C A	981
	8904
	10174
	10185
	10209
	18164
	25407
	78615
Burleson M N	84298
Burley H T	58008
Burley J W	8905
Burley S T	39473
Burley T	84008
Burley T M	58488
	66821
	76191
Burlison V	90373
Burloi G	34407
	34452
	43107
Burloi N	61318
Burlyai M A	78141
Burma Minister for Finance and Revenue	75980
Burman M E	56326
	75183
Burman R D	982
	2400
	87555
Burmeister H	83617
Burmester B R	3906
	28251
Burn K N	26014
Burnard C W	93280
Burnasheva S N	75512
Burnatskii D P	17876
Burnes E E	22378
Burnet B	21167
Burnet F M	3081
	20275
Burnett C M	45947
Burnett E	2020
	51411
Burnett E--Cont	89572
Burnett G F	4326
	4467
	12322
	37521
Burnett H	16141
	59166
Burnett H C	33371
	59123
	59124
	59133
	67780
Burnett J B	88138
Burnett J H	33747
Burnett R G	46975
Burnett T	82586
Burney L E	49655
Burnham C R	24745
Burnham R J	72456
Burnight R G	58105
Burns A F	2072
Burns D J	22387
	93596
Burns E C	12383
	55263
Burns E E	9841
	60695
Burns E M	86294
Burns J D	25437
Burns K N	62734
Burns M	23651
	36451
Burns M M	7751
Burns P Y	10554
	44774
	53313
Burns R H	22590
	48178
Burns R M	41755
	43379
	50432
	58943
Burns W C	20197
	21481
Burns W T	85343
Burnside E	85627
Burnside O C	52181
	70017
Burny A	71744
	71900
Buro A	53685
	53692
Buromskii V I	89451
Buroni G	26705
Burov D I	9322
	10350
	17877
	69278
Burov V N	92069
Burova A	20703
Burova T	42793
	45047
	79524
Burovskaya E V	26901
Burovtseva L	25796
Burr H	40552
Burr R D	43221
Burra J A N	26196
Burras J K	42651
Burress T	39358
Burridge M S	19238
Burriel F	35127
Burrier T	47625
	54048
	91569
Burrill L	49740
Burrill L--Cont	94807
Burrill L M	45902
Burris R H	11700
	51454
Burroughs L F	13620
	13621
Burroughs W	3027
	36518
	39418
Burrows C J	42092
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Burrows E M	50575
Burrows F W	48356
Burrows G L	67424
Burrows R	63270
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Burrows R B	36780
Burrows W C	35098
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	52423
Burrus P	60504
Burrus P B	863
Burschel P	43689
Bursell E	29418
Burson P M	10175
	70510
Burstrom H	59806
	77492
	87556
Burt A W A	19456
	45471
Burt E C	92072
Burt E O	25934
Burt J E	83618
Burtarin N S	28407
Burtch L M	17659
Burtikashvili P S	6950 6951
Burtin J	40372
Burtner R H	20118
	20288
	20289
	91392
Burton B T	81849
Burton C	36750
Burton C L	8427
	77096
Burton D W	80129
Burton F G	47914
Burton G J	37522
Burton G W	16418
	24579
	34486
	35296
	35297
	35327
	42207
	44197
	70558
Burton H	13718
	13820
	56742
	74809
Burton H B	48982
Burton J C	52586
Burton J F	4981
	5363
Burton L K	22058
Burton L M	43470
Burton P	21877
	47776
Burton R W	7314
Burton S D	8906
Burton V E	4657
	33029
	33030

	Item
Burton V E--Cont	33116
Burton W G	39646
	42518
Burton W P	47395
Burton W W	7307
	48967
Burts E C	46536
	46564
	67715
Burtscher H	28252
	28253
	80591
Burtsev L	14513
	22126
Burtsev V Ya	80882
Burtt B L	32752
	32753
	67422
	67423
Burtt E T	21006
Burtys N A	68099
	78207
Burup P	93691
Burwell R E	44468
Bury R L	10875
	49383
Buryakov Yu	92801
Buryi Z P	83174
Burykin A M	17878
	18566
	35465
	79391
Burykin D A	9864
Buryma A K	31543
Buryznskiego J	29149
Burzlaff D F	89573
Burzlagg D	54150
Burzynski J	12625
Busa V	28254
	37020
Busarov N A	6697
	40553
Busbee I B	95
Busbey R L	63722
Busboom G H	40904
Busby J A	76929
Busby J N	41089
	59807
Busby M W	61313
Busca E	76512
Busca M	14959
	49218
Buscarlet L A	70212
Buscemi L	11587
Busch B	27514
	36562
	54269
Busch L V	24072
	39736
	69918
Busch R	49219
Busch S	54508
Busch W	27898
	62735
Buschbeck L	45106
Buschkiel H	3809
	19561
Buschmann H	53743
	62901
	72984
Buschmann W	13120
	47283
Buse K J	17561
Buse R C	6073
Buser R C	2908
Busetti B	67781
Busev G S	45675
Bush A R	65053
Bush D J	82655
Bush L F	4070
	6446
Bush L J	80203
Bush R B	56743
Bush T	36392
Bush W J and Co	30278
	52353
Bushchik T N	81721
	92493
Bushin P M	10351
Bushing R W	28783
Bushkanets T S	75206
	93648
Bushkova L N	521
	24383
	41937
	67958
Bushland R C	63783
Bushnell D	40373
Bushnell O A	84183
	84184
Bushnell W R	15980
Bushong J W	16101
	60292
Bushuev V M	94838
Bushueva T M	8914
Busquets C T P	40285
Buss E G	5848
	54687
Buss K	35726
Buss W	37353
	47981
Bussart J E	4327
	33039
	46318
	81368
Bussche G Freiherr von dem	61168
Busse H	72593
Bussell R H	20009
Busset G M	8140
	40905
	76384
Bussis H	7417
Bussler W	68590
Bustad L K	81085
	81089
	81289
Bustarret	86295
Bustrom H	50980
Busvine J R	4328
	12323
	28749
	55171
Buswell A G	31488
Buszczak T	59808
Buszewicz G	26863
	61883
But V P	70328
Buta T	78015
	88805
Butani D K	20704
	63980
Butany W T	77857
Butarangsi P	63623
Butaye R	62544
Butcher H P	15726
Butcher J O	60977
Butcher J W	4754
Butcher J W--Cont	5425
	12626
	38464
	64233
	82714
Butcher R L	4235
	36934
Butcher R W	15688
Butenandt A	55927
Butenko M	70018
Butenko O M	73544
Butenko R G	8907
	33869
	51244
	87252
Butijn J	24831
Butin H	19173
	35956
	59005
Butin R V	8162
Butkevich Ts B	88735
Butland P	6698
	31340
Butler A N L	17562
Butler B J	47466
	64847
Butler C G	20940
	29177
	64123
	92256
Butler C P	26474
	85551
Butler D G	3919
	11991
Butler D L	72702
Butler E E	457
Butler Sir E J	247
Butler G	48112
Butler G D	4871
	12604
	12992
	37623
Butler G G	6399
	30037
Butler G M	983
Butler G W	11155
	27475
	33870
	50837
	51275
	72832
	90517
	91671
Butler H C	36232
Butler J D	50981
Butler O D	3067
	19759
	19948
	36451
	62545
Butler R	24214
	31606
	31607
	32351
	57504
Butler R W	45563
Butler T C	93573
Butler V	69919
Butler W L	25230
	51096
	60345
Butlin R A	32570
Butnaru V	60600
Butnis C	74402
	84424
Butora A	71355
	71356
Butorin I	13121
Butorina L G	68100
Butov I G	59383
	59384
	59385
Butovitsch V	12619
	21096
Butovskii V	44159
Butozan V	53946
Butrimenko V	75272
Butrym J	26146
Butson K D	16604
Butt B A	4600
	28750
	28994
	82764
Butt F J	36639
Butterfass T	730
Butterfield H M	17279
	25703
Butterfield I G	76582
Butterfield J R	87550
Butterfield R M	91150
Butterfield W J	28459
Butterfield W K	37021
Butters R W	57526
Butterwick M W	32123
Butterworth D S	94613
Butterworth M H	11483
	45898
	46113
	54244
Butterworth W	74950
Buttery B R	42519
Buttery R G	48321
	83364
Buttiaux R	83451
Buttiker W	92578
Buttner E	64812
Buttner E E	4077
	4078
Buttner H	64069
Buttner R	21612
Buttner W	47777
	76585
Button E F	52182
	89790
Button J A	81635
Buttrey B W	28644
	28684
	55112
Buttrose M S	42188
	42189
	42323
Butts J S	7931
	42941
	43026
Butura I	27718
Buturovic D	58944
	67708
	67782
	67995
	70054
Butuzov G	4468
Butuzova O	78477
But'yanov DD	36563
Butyrin A V	13293
Butz	94885
Butz A	12326
	82233
Butz E L	31798
	31920
	48592
	49455
Butz E L--Cont	58132
Butz W H	65098
Butz W T	22055
	93382
Butzer K W	67267
Butzow R F	28098
Buvanendran V	11866
	11935
	63228
	63229
Buvat R	16290
	50664
Buwalda K	94648
Buxant F	32627
Buxbaum F	50020
Buxton A	3079
	63198
Buxton E W	50274
	86758
Buyakova T G	55675
	73545
Buyanov A	49068
Buyanov A I	29829
	92868
Buyanovskii D S	42943
Buyanovskii M S	35406
	35487
	66624
Buys B	27715
Buys G	92802
Buys M J	6112
Buysse F	4240
	11484
	12201
	64987
	80998
	91839
	92994
Buzacott J H	17240
	33372
	33373
	51830
Buzagh A	45125
Buzanov I F	85008
Buzard H G	69807
Buzas G	42944
Buzhak D	89791
Buzi C C	12324
	48745
Buzi V C	30352
	90776
	90985
Buzicky A W	20620
	28821
	28822
Buzina G V	93626
	93627
Buzinov P A	18613
	79657
Buzulescu V	75393
Buzun I A	90917
Buzykin A I	90183
Buzzell A	77222
Byager J	27440
Byalyi A M	17879
	61459
	78277
Bychenko A I	15981
	67783
Bychkov K Ya	36233
Bychkov N P	3245
	11401
	62619
	62958
	71901

	Item
Byczkowski A	89641
	89649
Bydlinska A	50982
	50983
	59809
Byelitser V O	45564
Byerley B L J	29339
Byerly T C	16419
	28255
	36364
	65960
	93182
Byerrum R U	43050
	88199
Byers C A	15164
Byers F W	29646
Byers G B	40616
Byers G W	46917
	82862
Byers L A	15164
Byers M	16538
Byers R	84343
Byers R A	21097
Bygott R	1116
Bygott R B	25397
Byington K F	53645
Bykov A	74253
Bykov B A	6650
	32628
	59240
	87152
Bykov B V	59386
	87557
Bykov K M	11229
Bykov O D	87558
Bykova N V	1435
	70617
Bykovskaya I P	42900
Bykowski J	19299
Bylbas V	78792
Bylda A	16539
Bylda A Z	51923
Bylov V N	43471
	60794
	67379
Bylterud A	43314
Byram G M	35852
Byrd H J	35225
Byrd T	67280
Byrd T L	30576
Byrd W P	17031
	77223
Byrde R J W	8488
	50275
	86759
Byrne A F	33871
Byrne J J	62023
Byrne J L	3434
Byrne M J	94272
Byrne R J	3765
	30165
	38928
	65114
	91303
Byrne T	78567
Byrne T G	52725
Byrne W J	66261
Byrnes R V	66170
Byrnes W R	52183
Byrum R L	34844
Bysenko D M	87787
Bysiowna T	70579
Bystricky V	24439
Bystritskii D N	74355
Byszewski W	93172
Bytinski-Salz H	55849
Byvshev A V	45051
Byvshikh M D	71596
Byzona Yu B	29143
Byzova Z M	41537
Bzhevskaya A N	72173
Bzikov M A	61473
	64831
	78762
Bzowska B	91373
Caasi P I	76583
Caballero Delpino H	45472
Caban W H	71412
Cabanius J	26407
Cabasso V J	3653
	63010
	91283
Cabato F H	17834
Cabello A	46319
Cabeza F	48798
	48799
	48807
	75580
Cabezon A G	9
Cable D R	88649
Caborn J M	19053
Cabral J	10710
Cabral J T	74271
Cabrera A L	58626
Cabrera F	51832
Cabrera P A	77911
Cabrol P	16545
	60335
Caca Z	50276
	86760
	88998
	94030
Cacchione R A	55061
	73136
Cacciato A	58577
	58627
Cachan P	64471
Cachon J	59446
Cachon-Eniumet M	59446
Caceres M R	87253
Caciularu A	93392
Cacoveanu A	58868
Cada E	77858
Cadahia Cicuendez P	22729
	57331
Caddick J W	8332
Cade J R	10989
	53600
Cade W M	56063
Cadeillan J	62348
Cadenhead A	81201
Cadieux C L	62959
Cadillat R M	48416
	65763
	84144
Cadman C H	24403
	41979
	41980
	67996
	87003
Cadman W A	79052
Cadmus M C	56461
Cadou J	20705
Cady F B	2118
Cady J G	18140
Caffin A	7470
Cafley J D	414
	16018
Cagampang I C	1501
Cagatay M	43882
Cagell W	79695
Cagle A	66506
Cagle A J	31811
	32024
	32025
Cagle L R	82122
	82123
Cagliero G	19799
	36557
Cagniant H	92539
Cahill V R	3275
	3616
	14320
Cahoon G A	2388
	32629
	42093
Cahuveau J	30036
Caillas A	4786
	12678
	20941
	29178
	31211
	64124
	64125
	73416
	84534
	86065
	86069
Caillavet	51924
Caille G	81928
Cailleux A	41320
Cain B F	9241
	34259
	34260
Cain J C	25606
	87559
Cain R F	248
	294
	308
	14405
	15852
	15856
	41538
	77019
Cain S A	50576
	52249
Caine W J	94490
Cainjo C	27234
Cairaschi E A	538
	46537
	46538
Cairney I M	4033
	12113
	91740
Cairns E J	2504
	42071
Cairns G C	37217
Cairns R R	16540
	50984
	52384
	52642
Cairy C F	28003
Cairy C F	45744
Caivas K	21703
Caja de Credito Agrario Industrial y Minero	23000
	14697
Cake E W	48431
Cakermann E	66924
Calaby J H	4018
Calahan C L	4691
Calan L de	76293
Calancea L	71644
Calavan E C	58894
	59125
	59126
	59127
Calavo Growers of California	14081
Calbert H E	13812
	74733
	87958
Calcagno J E	73136
Calcandi J	69095
Calcedo Ordonez V	53844
	54876
Calcinardi C	62736
	65961
	84674
Calcutta Tea Traders Association	30353
Caldarera C M	75273
Caldart F	76930
	79277
	94538
Caldas A D	28016
	28645
	45248
	92001
Caldecott R S	16420
	42348
	50410
	59383
Caldeira C	7341
Caldeira F M	42520
Calder A	20459
	20460
	28581
	55010
	84553
	91787
	92962
Calder D M	33473
Calder F W	60516
Calder J W	49123
Calder R	83300
Caldera V	31759
Calderbank A	6636
	56340
Calderon C D	40374
Calderon C E	87339
Calderon Chapman M	37602
Calderwood D L	31098
	39798
	57135
	57136
Caldicott J H B	34955
	34956
Caldwell A C	26261
	52726
	52873
	89681
Caldwell A G	2257
	26344
	44149
	44160
	78568
Caldwell C T	3897
Caldwell F Y K	64889
Caldwell H B	31799
Caldwell J	33374
Caldwell J D	73039
Caldwell J T	76385
Caldwell R M	9349
	9350
Caldwell R M--Cont	9352
	68426
Caldwell S	52015
Caldwell S A G	13929
	56747
	65592
Caldwell T H	86254
Cale G H	81929
Cale M T	69104
	70304
Calet C	28186
	28189
	63230
Caleta Z	633
Caletka J	90257
Caleton R M	60746
Calhoun M C	37147
	62737
Calhoun M L	63117
Calic Z	54750
Calica C A	59119
California Avocado Society	43380
California Beet Growers Association	77986
California Bur of Agricultural Statistics	84395
California Bur of Chemistry	49750
California Bur of Fruit and Vegetable Standardization	30989
California Canning Peach Association	48357
California Crop and Livestock Reporting Serv	22746
	31071
	84395
	84767
	84868
California Crop Improvement Association	22797
California Dept of Agriculture	23713
	41090
California Dept of Industrial Relations Div of Labor Statistics and Research	39474
California Dept of Natural Resources Div of Forestry	10711
	18677
	35651
	35895
	53314
	70966
	70994
California Dept of Water Resources Div of Operations	35467
California Farm Placement Serv	14751
	85272
California Fertilizer Association	35298
California Forest Pest Control Action Council	77033
California Fruit Exchange	75131
California Hay Grain & Feed Dealers Association	30698

	Item
California Institute of Technology Div of Biology	49874
California Legislature Senate Fact Finding Committee on Governmental Admin	10517
California Mosquito Control Association Entomology Committee	28823 4469
California Off of the Controller	10352
California Poultry Improvement Commission	3981 37117
California State Grange	23534
California University Bur of Public Admin	94575
College of Agriculture Dept of Vegetable Crops	50838
Dept of Agricultural Economics	40252
California Weed Conference	17660
Calil J	316 46539
Calinescu E	91290 91294
Calip J E	71085
Calistri I	8908
Calistru E	48256 56910 86988 86989
Calistru G	52704
Calitz P C	68055
Calkins C O	63934 82540
Calkins E W S	48179
Calkovsky S	31758
Call A B	50196 55422
Call F	4720 20564
Call L E	15596
Callaghan J J	33600
Callaghan O H	22
Callaham R Z	2643 53367 67784
Callahan F J	53638
Callahan J C	49266
Callahan J W	85496
Callahan L M	43737
Callahan N E	69622
Callahan P S	5364
Calland J W	1634
Callao V	26095 70329
Calle J D	21320
Calle R	80957
Callede-Sieuzac C	51468
Callegari E	80238
Callenius H	14960
Callin G	62024
Callinan B J	35468
Callinan P	78538
Callis J J	62334 90677
Callister L C	52908
Callot J	5119 20670 29419 29445 55771
Callow E H	6993 57240 65993 73849 80012
Callow L L	11559
Callow R K	29177
Calloway D H	5994 55011
Callward F M	35881
Calma V C	33973 33974 34548 34549
Calmes J	16541
Calnegru I	24078
Calnek B W	20198 37072 46044
Calo L L	48141 62589
Calo N L	33872
Calota E	91433
Calotoiu A	90542 90907
Calotoiu E	91433 91463 91570
Calpouzos L	384 385 50277
Calton W E	26227 35773
Caltrider P G	15982 58945
Calvari R	71722 91615
Calver A G	2518
Calverley D J B	73935
Calvert C C	63323
Calvert O H	50161
Calvert P P	38561
Calvert R	6113
Calvin L D	1411 32581
Calvin M	42521 43037 51443 51546 59810 68591 88120
Calvino E M	8813 49986 85120 88999
Calzecchi-Onesti A	7752 76441 77034
Calzolari C	38885
Camacho E	84919
Camacho V E	9949
Camand R	11309 27339
Camara N J G da	36365 45383 54270 56447 90986
Camara T	19991
Camara Algodonera del Peru	6468 74951
Camargo A P de	33474 89792
Camargo B J H	79278
Camargo L S	33375
Camargo W V	36564
Camargo Nuñez F	37035
Cambi S	76816
Cambie R C	9237 9238 9241 34259 34260
Cambier J	45515
Cambini A	71597 71598
Cambridge G W	80592
Cambridge Cooperative Dairy Co	30547
Cambridge University Botanic Garden Syndicate	23857
School of Agriculture Plant Breeding Institute	49124 69279
Cambrony H R	78240
Camefort H	24565
Cameranesi L	52145
Camerani V	57583
Camerini A	49413
Camerino P W	37022
Camerlynck	20436
Camerlynck R	28553 37296 63554
Cameron A E	72821
Cameron C	81031
Cameron C D T	37218 81185
Cameron D G	2472 61598
Cameron D H	40375
Cameron D R	904 87392
Cameron H L	70413
Cameron H R	42056
Cameron H S	3155 19442
Cameron I D	45565 54271
Cameron J M	20199 67188 94179
Cameron J W	58894 60677 69920 88870
Cameron N G	27933
Cameron N W	62310
Cameron R E	15829 18073
Cameron-Brown C A	38713
Cameron-Stephen I D	4241
Cameti F L	36247
Camilleri Lapeyre A	40434
Camin J H	20621
Cammack R H	41756
Cammarano A M	10976
Camp A A	11936
Camp H W	10865
Camp M	20321
Camp W B	22959
Campagnac N	41953
Campagne P van L	23079
Campana R	58946
Campanarut R	3246
Campardon C	39701
Campbell A	72663
Campbell A A	22761
Campbell A G	25424 33177
Campbell A I	8578 8579 9648
Campbell A J	72501
Campbell A N	77768
Campbell C	5995 57054
Campbell C G	23319
Campbell C L	81328
Campbell C L	91918
Campbell C M	51644 54893
Campbell C W	60650
Campbell D	13536
Campbell D A	62080
Campbell D J	3916 4159 37219 54894 63443 81135
Campbell D R	22960 22961 47961 85145
Campbell E	28898
Campbell E O	76990
Campbell E R	66256 76513
Campbell F	37181
Campbell F G	67869
Campbell F R	28433
Campbell G S	2827
Campbell H D	21942
Campbell H H	17661
Campbell H J	28137
Campbell I M	38441
Campbell J	31544
Campbell J A	6758 75274
Campbell J B	21707 69519 77963
Campbell J D	48504 56848 65593
Campbell J E	6206 15934 39384
Campbell J G	3079 37023
Campbell J I	29752
Campbell J L	5365 5366
Campbell J M	12786
Campbell J R	32034 32035 39799
Campbell J S	52077 52078 68592 78149
Campbell K O	47686 93157
Campbell L	14514
Campbell L A	13886
Campbell L D	49039
Campbell L E	65034
Campbell M H	16542 34969 89271
Campbell P	30147
Campbell P W E	19227
Campbell R	23464
Campbell R A	2747 7753
Campbell R B	70723
Campbell R C	33605 69712
Campbell R E	81746
Campbell R K	2701 87153
Campbell R M	4105
Campbell R N	539
Campbell R S	88601
Campbell R W	17403 22373 34698 38442 43669
Campbell T C	11156 71675 79658
Campbell T E	61884
Campbell T G	81808
Campbell W A	15832 49785 50278 86761
Campbell W F	1554
Campbell W H M	5839
Campbell W I D	2239
Campbell W P	33162 67680
Campbell W V	4601 20763 29528 46618
Campe K von	13330 13331 74254
Camphausen H	22090 29879 48041 74006
Campi M D	33163
Campins de Codina A	13930
Campion R A	43472 52016
Campion R L	36565 53845
Campling R C	27599 62644
Campo E del	88860 88861
Campo M van	33601 49910
Campodoni A	22555
Campos A C	20132 54702 63349 72711
Campos E G	5181 5186
Campos J	45899
Campos M	29527

	Item
Campos M de	94273
Campos S M de	87305
Campos Onetti R	53846
Campos Z H	25395
Camprag D	1650
Camprubi M C	83997
Camras S	5074
Camus A	58628
Can L	35373
Canaby M	66358
Canada Board of Grain Commissioners	7853
	14226
	23591
Grain Research Laboratory	31099
	31341
	39800
	39801
	65857
Statistics Br	65858
Canada Bur of Statistics	2791
	6032
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	15612
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	84417
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	93886
	93896
	94031
	94085
Industry and Merchandising Div	10484
	36035
	92690
Information Serv Div	66512
Canada Dept of Agriculture	15117
	23139
	27235
	32269
	32489
	33042
	40435
	66511
	76467
	86105
	94802
	94839
Consumer Sect	7932
Economics Div	15356
	23535
	49125
Library	7471
	49126
Canada Dept of Agriculture--Cont	
Plant Products Div	70019
Production and Marketing Br	13573
	22446
	84239
Markets Information Sect	75420
Research Br	1720
	8580
	13167
Plant Research Institute	317
Canadian Plant Disease Survey	
Canada Dept of Forestry	26661
Forest Entomology and Pathology Br	15883
	77035
Forest Products Research Br	44997
Canada Dept of Forestry	26662
Forest Research Br	79490
Canada Dept of National Revenue Taxation Div	23059
Canada Dept of Public Printing and Stationery	85344
Publications Br	
Documents Library	
Canada Experimental Farm Morden	31921
Canada Experimental Farm Saanichton	31922
Canada Experimental Farms Serv	31923
Cereal Breeding Laboratory	17020
Illustration Stations Div	31924
Canada Maritime Marshland Rehabilitation Admin	44342
Canada National Weed Committee Eastern Sect	17662
Western Sect	17663
Canada Production Serv	66193
Plant Products Div	
Canada Wheat Board	39802
	85963
Canadian Aberdeen Angus Breeders Association	3247
	36393
Canadian Agricultural Economics Society	23247
	83391
Canadian Farm Implements	47284
	47487
	64764
Canadian Federation of Agriculture	14831
	66513
	66979
Canadian Food Industries	21878
	65256
Canadian Food Processors Association	38873
Canadian Gladiolus Society	34723
Canadian Hereford Association	19631
Canadian Institute of Forestry National Regeneration Resolution Committee	53368
Canadian Kennel Club	3638
	11739
Canadian National Live Stock Record Board	36366
Canadian National Live Stock Records	36367
	72903
	90777
Canadian Phytopathological Society	41601
Canadian Pulp and Paper Association	11025
	19254
	71510
Technical Sect	36036
Canadian Rose Society	1753
Canadian Seed Growers Association	34344
Canadian Society of Animal Production	27476
	79963
Canadian Woodlands Sect	90412
	79433
Canagasingham L S C	37680
Canal	60547
Canal F	52017
Canal J M	75513
Canale A	28361
	93946
Canales M J	22710
Canalini G	26408
Canals R A	84290
Canals Navarrete J A	25425
Canarache V	52041
Canaris A G	82124
Canavati J	65287
Cancienne E A	64070
Candela A C	31342
Candela M R	16639
	83645
Candelas J	17241
Candelas J B	21927
Candia Z D	92137
	93759
Candler R	57901
Candler W	14961
Candlin F T	80533
Candura G	83294
Candussio R	25192
	26409
	30699
	30700
	83452
Candy D J	73859
Caneda G F	69520
Canitano A	17367
Canitano D	94753
Canizo J del	86617
Cankovic M	37220
	37225
Cankowa-Panowa R	21879
Cann H J	93530
Cannamela S	20942
	49583
Cannard H	54467
Cannell G H	35469
	52385
Cannell R S	7192
Canner Packer	13528
Cannetta A	74952
Canning E U	73860
	73861
Cannon D	634
Cannon G	15535
	32525
	58395
	87393
Cannon H B	16068
Cannon J R	59811
Cannon N	2765
	4747
Cannon O S	540
	41602
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	42034
	42035
Cannon P L	16917
Cannon R C	88862
Cannon R Y	47921
	80240
Canny M J	77493
Cano I B	81701
Cano-Marotta C R	74575
Cano Vicario A	61496
Canode C L	13229
	51013
	89272
Canova A	12533
	24116
	50279
	68012
	87004
Canoz M	9938
Cans D	1456
Canseco B O D	40705
Cantarelli C	22659
Cantarow A	76629
Cantele A	70020
Cantell K	79872
Canter H M	32954
Canterbury Agricultural College	7754
	49456
Cantiani M	26768
	71040
Cantin J P	20200
Cantini G F	91189
Cantino E C	60293
	77769
	87254
Cantlie K	29647
	47138
	47139
Cantoni C	11560
Cantoni O	3707
Cantos A	14649
Cantuel J	4677
Cantwell G E	64606
Canu B	4106
Canuti A	47915
Canzoneri S	21098
	29340
	38082
Capaliku L	51752
Capapas E	85964
Capdevila A	32423
Cape D S	85817
Cape W H	58134
Cape Town Fishing Industry Research Institute	7315
Capecchi I	7316
Capecki Z	29149
Capek M	47075
	73365
Capella P	7032
	14447
	31342
Capelle E J	89650
Capener T R	2389
Capinpin J M	1457
	16365
	17766
Caplenor D	8909
Caplin M M	85258
Capon B	88121
Caponi M	48808
Caponi-Agoropoulos E G	37742
Capoor S P	8581
	67997
Caporale G	33711
	54509
	88122
Caporali L	8428
	8429
	33164
Capot J	78240
Cappa V	80013
	80797
	84778
	84779
Cappannini D A	78478
Cappelletti C	16543
	35695
Cappellini R A	22415
	48432
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Capponi M	28852
Caprio I	14832
Capriotti A	52587
	56932
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	67584
	78416
Capshaw R A	76318
Capstack E	88104
Capstick D F	10176
	47488
	58003
Capstick E	83890
Capstick P B	11561
	80241
Capt E	17369
	69770
	69771
Capuron R	86429
Capurro R	44161
	44260
	49127
Caputa J	69521
Caputi A	6111
Caputi N	80221
Caputo E M	68778
Car M	71902
	71987
	71988
	71989
	72106
	72107
	72108
	72109
Caracas Instituto Agrario Nacional	66783
	76294
	85683
Caraculacu G	75498
Caraman V	91840
Caramelli J E	22187
	30762
	30763

	Item
Caramelli J E -- Cont	65594
Carandang D A	70511
Carandang R	50474
Carangal A R	6637
	9299
	63246
	69180
Carapichaima (Trinidad) Central Agricultural Research Station	43055
	43325
Carare O	10518
Carati M	90987
Caravaca R	48781
Caravaca Barroso R	75558
Caravaglios N	38258
Caravello	18250
Caravello R V A	70512
Carayon J	4329
	29519
	82511
Carballido A	30144
	30248
	83491
Carbini G	83247
Carbonell C S	12325
Carbonell J B	76904
Carbonero Bravo D	62546
Carboni P	29217
	73468
Carboni S	88123
	88124
Carbonnel A	60505
Carbrera A L	59387
Carbrey E A	11563
	90593
Carcamo M V	25193
Carcasson R H	55935
Carcavallo R U	29288
	29580
	82125
Carda Aparici P	54619
	91393
Cardeilhac J C	36566
Cardeilhac P T	36566
Cardemas R F	78142
Carden P W	46523
	81636
Cardenas A	44343
Cardenas M	96
Cardenas R F	89129
	89130
Cardenas-Ramos F A	15983
Cardenosa-Barriga R	84145
Carder A C	43776
	52232
Carder D G	26410
Cardiff E	87608
Cardiff E A	16748
Cardona L	63187
Cardona V	33132
Cardoso A P L	48358
Cardoso J C	18163
Cardoso J V J de C	18141
Cardoso M	39476
Cardus J	18265
	43934
Cardwell V B	51630
Cardwell W H	45409
Carella P	86762
	86763
Caresche L	20706
Caress A	6469
Caretta G	58773
Carette J	58492
Carew D P	16544
Carew H J	76409
Carew L B	3860
	36982
	45900
	45901
Carey A D	12078
Carey E	38605
Carey R L	14080
Carey W F	7974
Cargill B F	83223
Cargo G A	22556
Carie P	58489
Carin R	40706
Carini A	54510
Cariss H G	18390
	61652
Carl F	23647
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Carne I C	34666
Carne P B	73772
Carnegie A J M	20807
Carnegie Institution of Washington Dept of Genetics	92428
Carneiro A J R	93259
Carneiro H de S	44508
Carneiro J J	48042
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Carnes N K	31266
Carney D	64589
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Carol I	88791
Carolane K C	11026
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Carolin V M	73366
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Carolsfeld-Krause A G	5367
Carolus R L	16533
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Caron J E A	9785
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Carpentier L J	85345
Carper J	4330
Carpinisan T	34456
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Carpio Burga R del	25395
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	28391
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Carra	78102
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Carrasco E O	76584
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Carraz-Billat M	86430
Carrazoni J A	19949
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Carre	21943
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	Item
Carre C G	32955
Carre G	94421
Carre J	35549
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Carreno A de la O	2390
Carreno Luengas A	58136
Carreno Varela B	66784
Carrera C J M	58947
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Carreras G J	44162
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Carrick C W	20167
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Carroll H T	4107
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Carroll W E	73044
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Carruthers A	7243
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Carruthers J F S	19238
Carse G M D	5840
Carson B	13287
Carson E E	23332
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Carvalho G G	5127
Carvalho H C	4431
Carvalho J C M	64479
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Carvalho J M S de	13622
Carvalho L de	64331
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Carvalho M de	69458
Carvalho P de C T de	77097
Carvalho R G de	66907
Carvalho e Vasconcellos J de	635
Carvell K L	19094
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Carvello R V A	77494
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Carver J A	44907
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Casadio G P	15357
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Casays L	48359
Cascelli E S	73136
Case C	83956
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Case N L	2290
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Caseley J	9865
Casemir H	38011
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Casey A H	94655
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Casini E	1716
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Castiblanco G L E	17144

	Item
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Castiglioni N V	6348
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Castric M	12203
Castro C E	65700
Castro E R	37221
Castro F S de	33875
Castro J de	86038
Castro J B de	1977
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Castro M P de	27717
Castro R	76630
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Castro Ramos R de	31343
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Castro Rodriguez L	38929
Caswell G H	4602
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Catargiu C	88328
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Cates F B	17613
Catesson A M	87562
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Catlett J A	27164
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Caton D D	49384
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Catron D V	12200
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Catska V	18117
Catsky J	69016
Catta E P	64408
Cattabiani E	56978
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Cattaneo C	85836
Cattaneo P	75513
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Caulfield W J	30354
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Causey O R	55341
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Causse-Vaills C	11747
Caussin R	33166
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Cavaco A	23948
Cavagnol J C	47665
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Cavalcanti W de A	32941
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Cavazza D	44344
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Cavia C E	22290
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Cawnpore National Sugar Institute	7244
Cawse P A	59802
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Cawthron Institute	49875
Cayen M N	93294
Cayford J H	2671
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Cazemier C H	72113
	72114
Cazi A K B	35299
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Ceapoiu N	78579
Ceausescu S	28709
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Ceballos G	37954
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Ceballos y Fernandez de Cordoba L	18670
Cebra J J	56849
Ceccarelli A	20369
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Cecchini R	67380
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Cecconi C A	2073
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Cecconi S	78297
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Ceconi P	85837
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Cedercreutz U	19179
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Ceglowski S M	35274
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Celasco E R	16548
Celasco J L	81642
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Celinski F	33475
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Celmer R F	57055
Celmer W D	16847
Celo T	45411
Celotti G	74579
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Cempirek B	56090
Cena M	27908
Cena W	79766
Cenni B	27600
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Cenoz H P	24372
Centenary and Bicentenary Congress of Biology	23714
Centennial Nutrition Conference Kansas City Mo	36167
Centola G	30765
	48180
Central Bank for Cooperatives	14698
	85207
Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek SEE Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek	
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Centre International des Engrais Chimiques	44509
Centre Technique du Bois Paris	11008
	45126
	71485
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Centro di Studi per l'Ingegneria Agraria	64749
Cepec J	83654
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	Item
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Cervenkova E	29549
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Cerveny C	54274
Cervina A D	88531
Cesal L C	57730
Cesari A	21776
Cesari C	21525
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Cesari M	53744
Cesca G	733
	734
Ceskoslovenska Akademie Ved Sekce Biologicko-Lekarska	29237
Ceskoslovenska Akademia Zemedelskych Ved	4297
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Cessac M	63894
Cesta U della	72299
Cestero H	11189
Cetas R C	52137
Cevallos M A	55502
Cevolotto P	76816
Ceylon Agricultural and Industrial Credit Corporation	31709
Ceylon Chamber of Commerce	65054
Ceylon Commissioner of Co-operative Development	76469
Ceylon Controller of Imports and Exports	76516
Ceylon Dept of Agriculture	76651
Publicity Div	80015
	80904
	80905
	81136
	91926
Ceylon Dept of Census and Statistics	66514
	94124
Ceylon Director of Irrigation	70726
Ceylon Food Commissioner	21768
Ceylon Forest Conservancy	61715
Ceylon Tea Control Dept	6114
Ceylon Tea Propaganda Board	6115
Cezard R	59813
Cha J P	1289
	1290
Chaban I K	5746
Chabannes J	78331
Chabanol D	76368
Chabassol C	80529
Chabaud A G	20670
Chabert A	43562
Chabert J	84010
Chabert P	53978
Chaboussou F	46540
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Chabrolin R	34383
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Chachulowa J	91789
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Chacko G K	93485
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Chadha Y R	84419
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Chadwick R	76360
Chadwick V D	92046
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Chaffin B F	89574
Chaffins J E	56991
Chagina E G	70241
Chagnon S J	56448
Chahal H S	75982
Chahine M H	31363
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Chai S W	736
Chai Y R	85497
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Chaika M T	69267
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Chaikauskas V M	88736
Chaiken L E	26789
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Chaikin P	75983
Chaikin T V	3431
Chaikina K V	735
Chaiko I G	83164
Chailakhyan M Kh	16292
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Chain E B	961
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Chain Store Age	6921
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Chaing Y L	33878
Chaiyasitiyuthakarn P	63271
Chajuss D	75618
Chakai M T	69268
Chakhalova I P	25360
Chakhovskii A A	69809
Chakrabarti C H	14228
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Chakrabarty M M	23688
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Chakravarti S N	2074
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Chakravarty D	40332
Chakravarty R	25112
Chakravarty T	93486
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Chakravorty K R	61661
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Chakvetadze E A	89902
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Chalam G V	25548
Chalbash R	88668
Chaler A	93629
Chalfant R B	55382
Chalfin E P	70121
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Chalker C F	381
Challenger S	69810
Challey J R	80799
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Chalmers A M	40653
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Chalmers C	46258
Chalmers C H	93390
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Chalmers-Hunt J M	5368
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Chaloner R	5075
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Chalupsky J	21040
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Chalvignac M A	2157
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Chalyuk E A	36191
Chamagua E I	60712
Chamber of Commerce of the United States	40555
Chamberlain A	18548
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Chamberlain D	15987
Chamberlain D M	80878
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Chambers D L	82401
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Chambers E E	36783
Chambers F J	40438
Chambers H	12446
Chambers J A	32464
Chambers R M	13112
Chambers S C	15884
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Chambionnat A	75503
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Chambliss R L	23141
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Chamorro G	28363
Champ B R	4603
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Champagnat M	42190
Champagnat P	87567
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Champion F J	10977
Champion L R	20201
Champsoloix R	51740
Chamukha M	12091
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Chan L	87874
Chan M S	47772
Chan T Ch	66625
Chance L H	74966
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Chancellor R J	34970
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Chancellor W J	56192
Chancogne M	4677
Chand D	55265
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Chand L	31323
Chandan R C	13751

	Item
Chandhoke K R	9107
Chandler A C	20622
Chandler B V	65701
Chandler C A	76097
Chandler C C	26959
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Chandler F B	26229
Chandler L	82592
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Chandler M E J	7
Chandler R L	27320
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Chandler W A	41693
Chandley A C	38165
Chandnani J J	23339
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Chandra G R	60295
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Chandra S	69263
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Chandrasekhar B K	33376
Chandrasekhara M R	15480
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Chandrasekhariah S R	1665
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Chanev K	61341
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Chaney R W	49912
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Chansigaud J	82279
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Chant S R	67998
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Chantrenne H	87569
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Chaplygin B K	70122
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Chapman V A	36767
Chapman V J	213
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Chapman W E	6582
Chapman W F	22411
Chapman W G	53948
Chapogas P G	14157
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Chapon P	44908
Chapot H	59129
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Chapoyu N	9414
Chappat P	45568
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Chappel H M	38446
Chappell W E	9921
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Chappelle E W	87570
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Charbonnel P	44713
Charbonnier J L	20202
Chard J R A	1541
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Chardard R	87256
Chardin A	71397
Chardon F	77988
Chardon R E P	23142
Charette L A	54151
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Chargaff E	87888
Chari K S	6694
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Chari S T	40219
Charity L F	56320
Charkina A P	90268
Charlebois G J	11761
Charles A	51545
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Charles V R	6713
Charlesby A	14564
Charlet P	4034
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Charlet-Leroy G	55063
Charlett S M	5930
Charley V L S	6633
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Charliers N J	50990
Charlon J C	10681
Charlton F G	23821
Charlton J L	49424
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Charnay P	39128
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Charpentier R	57796
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Charron E C	80115
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Charteris J R H	3432
Charton A	20370
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Charyev O Ch	63445
Charykuliev D M	92430
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Chase H H	52061
Chase J T	13550
Chase R A	53445
Chase R W	52236
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Chashkin I N	79768
Chasset R	31489
Chastain E D	66785
Chastukhin V Ya	89534
Chateauneuf R	30311
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Chatelain L	24118
Chatelain R G	5372
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Chater C S	55559
Chater S W	15311
Chatfield H W	75518
Chatikavanit P	25499
Chatrath M S	959
Chatt E M	83326
Chatterjee A	9242
Chatterjee B	10047
	38931
Chatterjee B K	4594

	Item
Chatterjee B K--Cont	17837
	58491
Chatterjee B N	8912
Chatterjee D	97
Chatterjee H	988
	42526
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Chatterjee K K	13931
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Chatterjee P N	4771
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Chatterjee S N	45655
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Chatterjee T	42296
Chatterjee T P	4108
Chatterjee U	6471
Chatterji N	2336
	44112
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Chatterji R N	161
Chatterji S	21323
	55387
Chattopadhyay N	51008
Chaturvedi R N	84013
Chaubal M G	9188
Chaubey B N	66994
Chaudhari N R	44793
Chaudhary D	87571
Chaudhary K D	82235
Chaudhary N C	84766
Chaudhri I I	41373
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Chaudhri S C	21813
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Chaudhuri M	50666
Chaudhuri R H N	59389
Chaudhuri R P	12384
Chaudhuri S	12051
Chaudhuri S B	8869
	68639
Chaudhuri S D	10177
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Chaudhury A C	45252
Chaugale D S	81715
Chaugule B A	34972
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Chauhan K S	59816
	59817
	59818
Chauhan L S	563
Chauhan N S	63758
Chaumet J	3433
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Chaumier P	8913
Chaumont C	70236
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Chaumont J	42234
Chaumoxt C	50955
Chauncey H H	11230
Chaussat R	60238
Chaussidon J	52388
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Chauvin R	38372
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Chauvrat J	37065
Chavan A R	98
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Chaves F	7818
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Chavez J F	48433
Chavooshian B B	81468
Chawdhari T P S	57737
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Chayabejara S	55311
Chazal M	44164
Chazal P	25268
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Chazov B A	85741
Cheadle V I	8721
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Cheah Phee Phay	45648
Cheal W F	59819
Cheatham J	63174
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Chebolda V F	88737
Chebotarev B G	55832
Chebotarev N P	61498
Chebotarev R S	62417
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Chebotareva A P	972
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Checheleva T V	7571
Chedda H R	88562
Chedeville J	11951
Cheema M A	81771
Cheema P S	55879
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Chembrovskii V	76098
Chembrovskii V V	51890
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Chekalinskaya N I	67786
Chekalov K I	10178
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Chekanova N I	25426
	69523
Chekhovskoi V Ya	35916
Chekirov T Ch	72834
	72835
Chekulaev N	56744
Chekulaeva L	56744
Chekushin S K	19083
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Chellappah W T	81478
Chel'tsova L P	42191
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Chelyadinova A I	59391
	59392
Chemical Finishing Conference	84014
Chemical Specialties Manufacturers Association	4332
	15487
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Chemm V A	28536
Chemnitzer M	76099
Chemodanova E V	58950
Chemsak J A	4984
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Chenieux J C	16605
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Chennaveeraiah M S	42254
Chentinnes R M de	74955
Chepesuik M W	31281
Chepigo S V	36086
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Chepil W S	2473
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Chepurnoi I	67109
Chepynoha O P	46016
Cherblanc G	87131
Cheredkov S N	62566
Cherednichenko S	68599
Cherednik I D	85038
Cherekaev A V	36395
Cheremisin G G	37222
Cheremisinov G A	28647
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Cheremisinova E A	15630
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Cheremkhin S S	2583
Cheremskoi S G	87257
Cheremukhin I K	30752
Cheremushkin S	7702
Cheremushkin S D	15156
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Cherenkov A D	1555
Cherepakhin V I	9619
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Cherepanov A I	81873
Cherepanov S K	15728
Cherepanova N P	16057
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Cherepanova V P	72431
Cherepkova I V	7373
Cherepnin L M	59241
Chereshnev N A	63812
Cherevatenko A S	88890
Cherezhanova L V	8817
Cheriet M	93536
Cherkas I A	7121
Cherkashin A	14572
Cherkasov A I	62025
Cherkasov M I	34725
Cherkasov V A	37354
Cherkasova V A	69524
Cherkasskii E S	37749

	Item
Cherkasskii E S--Cont	67934
	81721
Chermeninova I V	49913
Cherms F L	3815
Chermykh L	69921
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Chernavina I A	68600
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Chernobai V T	42977
Chernogolovin V P	69280
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Chernogryadskaya N A	92635
Chernokolev T	58461
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Chernomorskii S A	60297
Chernoukhov A M	89452
Chernous I P	69656
Chernov S	19191
Chernov S A	35967
Chernov Yu I	73664
Chernova E P	20857
Chernova E S	52807
Chernova O A	21008
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Chernyadev A	5784
Chernyaev N	47329
Chernyaeva I I	34244
Chernyak A S	78987
Chernyavskaya Z S	88331
Chernyavskii I T	40556
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Chernyavskii M V	54444
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Chernykh S I	87207
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Chernyshev V V	18936
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Chertkov V	90819
Chertovskoi V G	59242
Chervinski J	24069
Chervinskii V F	89831
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Chervonenko T A	59393
Chervyak N A	3251
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Chesalin G	43692
	52186
Chesalin G A	70021
	89276
Chesbro W R	7020
Cheshire C A	43707
Cheshkov A	15012
Cheshmedzhiev B	4225
Chesnay G	38644
Chesnokov P G	63895
	81372
Chesnokov V A	8914
	87572
Chessin M	59112
	67985
Chestney A A W	5906
Chestnutt D M B	8915
	8916
	10275
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	83128
Chetyrkin B	5790
Cheul M	43019
Chevaillier P	64481
Chevalier H	52828
Chevallier	65115
Chevallier R	58054
	76288
Chevin H	63925
	63926
Cheviot Sheep Society	4035
	80958
Chevotarev R S	63142
	63813
Chevremont M	73660
Chevrenidi S Kh	25963
	34726
	79096
Cheze P	19457
Chhatrapati A C	22662
Chhay-Hancheng	11938
Chheda H R	16295
	16437
	42193
Chhotani O B	82902
	82903
Chi C C	8431
Chi C Y	43179
	43180
	43181
	43183
	43184
	48181
Ch'i L	22484
Chi P Y	36960
Chi Y L	6116
Chi-Rodriguez E	4533
Chialvo E J	63310
Chianca J	6117
	6118
	39129
	39130
	39131
	67037
Chiang A L	59822
Chiang C L	81469
Chiang H C	4605
	5076
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	55388
	82365
Chiang M L	23143
Chiang M N	39667
Chiang Y M	32907
Chiapparini L	89277
Chiappini M	24502
Chiara F	81242
Chiarappa L	33123
	77697
	84320
Chiaravalle A M	72191
Chiasson T C	17022
Chiba A	83714
Chiba H	78582
Chiba O	275
	50348
Chiba S	61071
	70567
Chiba Y	38263
Chibata I	35195
Chibber R K	10105
Chibisov A K	16931
Chicago Board of Trade	57137
Chicago Mercantile Exchange	65116
Chicago University Institute of Meat Packing	66060
Chicchini U	80063
Chichester C O	13842
	14112
	51430
	56471
	69148
	74613
	75121
	75122
Chichester J M	39595
Chicheva L	13191
Chichilo P	44510
Chichin M I	44609
Chichkin V	5774
Chick H	49656
Chickering A M	38016
Chidester G H	36074
Chidester J L	33376
Chiemchaisri Y	36769
Chien C C	33168
	33228
	42366
	67833
	86768
	86815
Chien H	47842
Chien Y W	37709
Chifney S T E	11604
Chigarev G A	37620
	63896
	92064
Chigrin V	68601
Chigrin V N	17298
Chigrin V V	87901
Chiguryaeva A A	67304
Chihara M	68231
Chikalov P M	52341
Chikalova E A	42943
Chikasuye M	48523
Chikhacheva G M	69111
Chikov Ya I	19093
Chikubu S	14229
	15467
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Chikulaev V	70069
Chikviladze I D	86769
Chilanti P	40338
	40778
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Chilcote D O	50991
Child A J E	39963
Child R	6119
	30355
	35067
	74576
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Childers H E	36784
Childers N F	1670
	42503
	77498
Childers W R	24696
Childress J D	34133
Childs B H	26952
Childs M T	94807
Childs R	40088
Chile Direccion de Estadistica y Censos	21909
Chilean Iodine Educational Bur	36168
	41091
	45251
Chiles R E	25423
Chilingaryan A A	45871
	72598
Chillcott J G	12866
	46918
Chillingworth C A	54468
Chilton M W	77499
Chilvers G A	78418
Chilwell E D	9929
Chimidtseren	94275
Chimits P	66322
Chin R C	93709
Ch'in W Ch	66851
Chin W T	88125
Ch'in Y T	38264
Chin Yu T	18432
China W E	21158
	21272
	21305
	21306
	21307
	21308
	64333
	73547
	73599
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	82863
China Law Bur	94276
Chinarov I I	58007
Chinchaladze T G	90110
Chinchevich V I	35783
Chinchevich I	70682
Chinchorkar S V	35129
Chinenova E G	74393
Chinery M	55931
Chinery W A	92320
Chinese-American Joint Commission on Rural Reconstruction	43185
Ching K K	44794
	79360
Ching T M	33881
	44794
Chini A	49405
Chinoy J J	8917
	42747
Chintescu G	93391
	93392
	93393
Chinwuba P M	24836
Chinzei T	78583
Chiodi V	79769
Chiorboli A	12241
Chiorean A	69998
Chiostri F	78104
Chiovenda-Bensi C	25964
Chiozza J P	73274
	92147
Chipchase M	42939
Chipchase M I H	77767
Chiper I	27010
Chipman E W	52514
Chippendale F	61120
Chipperfield G	7034
Chipperfield H E	29650
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Chiriac A	89631
Chirita A	75458
Chirita C	23080
Chirita G	75458
Chirkov V A	44714
Chirkov Yu I	22143
	42527

	Item
Chirkov Yu I--Cont	59823
	87573
Chirkova R A	43935
Chirkovskii V I	16550
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	68602
	87574
	88789
Chirkunov A	56158
Chirvan-Nia P	72438
Chisaka H	948
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	24782
Chisaki F	99
Chisci G C	2475
Chisci P	8883
Chiscon J A	33760
Chisholm D	55167
Chisholm M	23040
Chisholm M D	43047
Chisholm M J	1346
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Chisholm R D	55449
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	92223
Chisleanu G	22557
Chistikina F I	8432
	19028
Chistova Z Ya	54751
Chistyakov V D	5822
Chitashvili S	90151
Chitashvili S Sh	44715
Chittenden A E	18728
Chittenden D H	39804
Chittick D	7726
Chiu C H	4631
Chiu P K	38274
Chiu R J	16120
	67999
Chiu S P	46321
Chiu T F	33883
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Chiu W L	14450
Chiuderi A	40244
Chiusoli A	34668
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Chiusoli G	70727
Chiykowski L N	12452
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Chizhik I A	3221
Chizhikov A G	29969
Chizhikov P N	70414
Chizhov S T	14573
Chizhova K N	6808
Chladek G	35984
Chladek M	52342
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Chlebicka M	16551
Chloupek R	36414
Chmelar J	50021
Chmelicek J	58772
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Chmielewska B	70673
Chmielowiec G	26016
Chmilenko N M	93630
Chmora S N	42750
Chmura N W	48719
Cho R Y	38471
Choate G A	44668
Choay J	11848
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Chobert	36234
Chobert A	19458
Chock Q C	4341
Chod J	41998
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Chodat F	87575
Chodnik K S	63622
Choi H O	77860
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Chojer T N	43936
Chokkanna N G	25965
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Chollet J L	2908
Cholnoky B J	15830
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Cholokashvili N B	58631
Chomanan T	63623
Chombart de Lauwe	85146
Chomiak M	81033
Chomiak T	46027
Chomiak T W	20203
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Chonchol J	66786
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Chong M	4341
Chonjnacka H	21863
Choonpicharana P	62919
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Chopik V I	7248
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Chopinet R	43473
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Chopra I C	1978
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Chopra N	737
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Chopra Sir R N	25966
Chopra V L	33733
Choquette L P E	3434
Chord J	87030
Chorin M	249
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Chorney W	34273
Chotisen A	63623
Chou H S C	29902
Chou J T Y	36634
Chou K	11940
Chou S S	38265
Chou T	66851
Chou T H	40557
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Chou T Q	60296
Chou Y L	60296
Chouard M P	89278
Chouard P	50992
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Choudhuri J C B	92148
Choudhury A C	4108
Choudhury A K R	8812
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Choudhury H B	57623
Choudhury J K	7035
Choudhury P K	27141
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Choudhury R B R	75502
Choudhury S S	42286
Choudhury T G	719
Chougule V T	40194
Chouillou J	85838
Chouinard A E	93805
Chouteau J	33884
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Chow S L	37707
Chow T L	62741
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Chowdhury A K	4019
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Chowdhury K A	50022
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Chrabelska J	92983
Chrisman J	28926
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Chrisp C E	63189
Chrispeels M J	50994
Chrisstoffels P J E	9066
Christ E G	69768
Christ J H	1754
Christ W	31656
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Christensen A J	47536
Christensen A S	38606
Christensen C	64128
Christensen C M	12613
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Christensen J J	50282
Christensen J S	23144
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Christensen L R	28164
Christensen M	67589
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Christensen R	28257
Christensen R A	30620
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Christensen T B	36085
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Christiansen K	13073
Christiansen M G	66909
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Christiansen W	15689
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Christie D G	63447
Christie E	47721
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Christie G J	90815
Christman D R	1389
Christner J	35870
Christodoulo-poulos A	11928
Christoffersen T	53103
Christofinis G	28648
Christoph H J	27971
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Christopherson C H	13332
Christou T	50283
	50284
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Christova Z Ya	80887
Christy F F	39419
Christy F T	93026
Chroboczek E	70519
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Chryst W E	58078
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Chrzanowska M	54669
Chrzanowski J	86770
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Chrzanowski W	86622
Chrzastek-Spruch H	32224
Chu C	68603
Chu C C	68524
Chu Ch L	24837
Chu F S	9244
	51580

	Item
Chu H	18567
Chu H P	3079
	45959
Chu H T	24119
Chu I H	37416
Chu K Y	36934
Chu P	9683
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Chu S F	37624
Chu W K	61119
Chu Y	61499
Chuan C S	51351
Chuang T I	67465
Chuang Y H	14254
	93446
Chuang-Yang C	24119
Chub G G	63672
Chubabriya V	56275
Chubabriya V P	54090
Chubachi M	90405
Chubarin M	64848
Chubarova G	60403
Chubarova G V	25308
Chubaryan T G	43511
Chubb H S	38270
Chubb R C	80823
Chubinskaya A A	11479
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	54158
Chubukov L A	76770
Chudakova I V	73862
Chudecki Z	44469
	70408
	70869
Chudinov B S	35948
Chudinovich L P	7374
Chudinovskaya G A	45860
Chudley A H J	31181
	57182
Chudnovskii A F	21639
	42095
Chudnovskii L	20309
Chudy A	46207
Chudy B	57797
Chudzinski M	70968
Chudzinski Z	27100
Chuenko L F	66910
Chuenkov V S	27180
Chugg J C	2192
Chugg W A	90394
Chugh D V	60629
Chughtai M I D	47787
	86082
Chugreev I	10354
Chugunkov Ya G	11486
Chugunov A S	28125
Chugunov B V	2703
Chugunova R V	10596
Chuiko L S	63448
Chujo H	24838
Chujo M	55717
	82237
Chukaev D S	21745
Chukavin I G	87157
Chukavina A P	67426
Chukhno D F	23250
Chukwueke V O	68592
Chulakov Sh A	2119
	43945
Chulkov N A	74375
Chulkov N I	34879
Chuma Y	47338
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Chumachenko I N	70520
Chumakov A E	15988
	58854
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Chumakov N M	8173
Chumakov V P	36567
	72116
Chukmasova M A	93201
Chulitskii L D	89966
Chuma Y	83038
Chumaevskaya M A	86771
Chumichev D A	75966
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Chumina O T	69125
Chumney R D	84951
Chun-Syun F	55064
Chunaev Yu V	20533
	80801
Chung B K	33169
Chung C C	38083
Chung D S	22469
	84421
Chung H S	33169
Chung J M	37625
Chung K L	75984
Chung K S	77860
Chuo Boeki Goshi Kaisha	13122
Chupin A A	72986
Chuprakova V	16552
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Chuprina V	47611
Chura N J	12728
Churaev I A	73192
Churakov A M	86623
Church B M	44165
Church D C	4079
	11157
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Church H L	13932
Church N S	28990
Church R P	25934
Church T D	17420
Church T W	2704
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Church V V	27029
Churchill D M	76824
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Churchill E D	651
Churchward E H	52730
Churchward H M	2181
	89576
Churchwell L M	91487
Churikov I I	60470
Churin Kh	85147
Churkina R A	37153
Churov P	78796
Churski T	52644
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Chury J	45184
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Chushkov P	90991
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Chute H L	3899
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	63273
	63274
Chuvashina N P	25654
	59394
Chuvikova A A	52018
Chuyenkov V S	53664
Chuzhova Z	83933
Chvala M	46948
	46949
	46950
Chvojka L	8918
Chwala C	44204
Chwalibog J	55143
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Chwalinski K	67864
Chwistek A	81249
Chyi R L	38083
Chylarecki H	32754
Chyzinska U	27377
Chzhan Ts	44795
	61811
Chzhu Ch I	59824
Ciacoiu M	33302
Ciaffi B	11402
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	75986
Ciaglic I	89626
Ciallella G	31403
Cialone J	17666
	17806
	17807
	52172
	52226
Cialone J C	52187
	52307
	52308
	56219
Ciampolini M	4678
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Cianci D	72224
	72262
	72263
Cianciulli P L	8119
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Cianetti E	5963
Ciani G	57606
Ciaramello D	39746
Ciba Foundation	62350
Cibes H	16553
Cibes H R	78181
	87578
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Cibrian S	21753
Ciccarone A	8583
Cicer E R	69922
Cichetti R	90992
Cichosz E	41747
Cici A D	1696
Cid Marcos T	83623
Ciegler A	27237
	56462
Cieleszky V	93087
Ciemiega K	32698
Ciepielewska M	66053
Cierniak A	34649
Ciesla E	19459
Ciesla W	70415
Cieslar R	19255
Ciferri A	7179
Ciferri O	26097
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Ciferri R	8287
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	91948
Cifranic P	1671
Cigna A	83843
Cihar R	67683
Cihova H	50995
Cilento Sir R	15468
Cilli V	4020
	20071
Cilli V-- Cont	20371
	54920
Cilliers J J S	85839
Cimdins M	82687
Cimdins M A	63982
	63983
Cimpaye J	11769
Cimpeanu N	27890
Cinanni P	23145
Cinovskis J	12453
	81638
Cinq-Mars L	15989
	22292
Cinquetti M	31102
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	84422
Cinta W	29869
Cintra A F	28957
Cioara N	80802
Ciobanu A	93948
Ciobanu F	89742
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Ciobanu N	75466
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Ciocchetti V	26231
Ciocoiu A	91601
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Ciocoiu F	75916
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Ciortea G	90595
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Cipera J D	54753
Cipperly J	31801
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Ciric M	44074
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Citrus Engineering Conference	84146
Citrus Processing Conference	93631
Ciul G	85013
Ciumac G	79187
Ciupercescu V	74510
	93632
Ciurlo R	6120

	Item
Ciurysek K W	8797
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Cividini R	71486
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Ciz K	57505
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	75718
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Cizek J	26232
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Cizek L	27084
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Claassen M I	214
Claborn H V	12424
	28865
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Claesson O	45713
Claesson S	26363
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Claeys A J A	21769
Claeys P J	68581
Claeys R	11769
Claffey J B	22546
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Clagett C O	16683
Claggett F	30722
Claggett F E	72536
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Clamann H G	15425
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Clandinin D R	37083
Clanton D C	3435
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Clapham P A	63060
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Clappier B	39490
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Clarenburg A	3094
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Clark D S	7249
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Clark M R M	77198
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Clarke J R	84321
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Clarke W J	81289
Clarke W S	17393
Clarke W W	4787
Clarkson M R	56414
Clarkson Q D	23858
Clarkson R B	72
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Clarkson T B	28164
Clarr J B	7583
Clary D N	80189
Classen G	39989
Classey E W	4985
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Classon D H	31190
Clastrier J	5079
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Clatworthy J N	77502
Claude E	20204
Claudet A	34010
Claus F	21821
	56390
Claus G	42195
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Claus L	9245
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Claus P	62171
Clausen C P	46541
Clausen E	28099
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Clausen K E	35829
Clausen V H	53548
Clauser F	79434
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Clauss B	1755
Clauss H	1167
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Clauss W	22982
Claussen A	74864
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Clavel F	82216
Clavel J C	14835
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Claveran A R	88566
Clavier C	77361
Clawson A J	4201
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Claxton O L	14836
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Clay D W T	43476
Clay E W	32491
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Clay T	38564
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Claycomb R S	22406
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Claydon T J	13738
Claypool L L	64891
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Clayton C N	50163
Clayton E	75987
Clayton G A	91357
Clayton O J	43477
Clayton P C	14516
Clayton R A	47661
Clayton R B	47209

	Item
Clayton W D	15729
	33477
Claytor J	47396
Clear T	35620
Cleare L D	58451
	65859
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Cleasby T G	2260
	18434
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Cleaver T J	22329
Clebsch E E C	61803
Cleeve J D	4104
Clegg A	68898
Clegg H A	90760
Clegg J S	16896
	29421
Clegg K M	30223
Clegg M D	75184
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Clegg M T	28140
Clegg R E	72599
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Clegg V	6472
Cleland J B	67247
	67306
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Cleland R E	59686
Clemence R V	17568
Clemencin P	71745
Clemens H	8932
Clement C	22576
Clement C R	2022
Clement J	84556
Clement P	8919
Clement W E	83825
Clement W M	738
	59395
Clement-Davies H	65291
	93202
Clemente J	20228
Clementi F	3982
Clements F W	7945
Clements H F	33885
	61342
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Clements R L	48322
Clements R W	2950
	2951
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	47142
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Clendenning J R	57615
Clepper H	8020
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Clerc E	56539
Clerc F	31803
Clerck J de	13624
	66276
Clercq R de	64027
Clermont L P	19256
Cleugh J	3900
Cleve K	92579
Cleveland F P	28752
Cleveland M I	20809
Clevenger E A	35942
Clever U	29422
	38166
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Cleverley B	4333
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Clews J	3034
Cliff E P	44907
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Clifford D H	36785
Clifford D R	86759
Clifford E D	67700
Clifford H T	24697
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Clifford J	32162
Clifford M	12385
Clift J H	40807
Clifton C E	23710
Clifton C M	27645
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Clijsters H	51927
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Clinch H H	48183
Cline M G	17867
	18145
Clingan R L	32163
Clinton D	1556
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Clinton P K S	67684
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Clive D H	74956
Cliver D O	80247
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Cloaninger B D	78988
Clodius R L	56687
Clonaru A	27193
Cloninger W H	54470
Cloos P	17952
Clore W J	1757
	34669
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Close B M	17935
	17936
Close G R	23146
Close R	43597
	73072
Closse A	81934
Clothier G E	15586
Cloudsley-Thompson J L	12761
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Clough R H	57949
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Clowes F A L	16297
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Cloyd G D	11941
	81250
Club Hipico de Santiago	36871
Cluet J	74007
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Clukas I G	67038
Cluskey J E	75361
Clutter J L	26789
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Clutter M E	991
Clutton-Brock J	3800
Cluzeaud A	24201
Clyde A W	64828
Clydesdale Horse Association of Canada	80605
Clymer D E	27719
Cmoluch Z	5037
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Cmoluchowa A	82514
Cnockaert G	74750
Coackley W	11561
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Coahran D R	16121
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Coaker T H	81639
Coan N	62000
Coan R M	92071
Coates G N L	52188
Coates J I	54774
Coates J L	48342
Coates M E	54703
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Coates R V	44503
Coatney G R	28825
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Coats R E	17013
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Cobb L M	36786
Cobb R D	60933
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Cobbett N G	92033
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Cobler W E	71502
Cobley L S	86336
Cobos A	29342
	46820
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Cobos L P de los	26416
Cocco E di	49069
Cochard J	60509
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	57738
Cochran B J	4606
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Cochran J H	50164
Cochran J P	23466
Cochran L C	1744
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Cochrane R L	63101
Cochrane V W	16555
Cochrane W W	13476
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Cociu V	51928
Cockbain A J	5219
Cockbain E G	84920
Cockbill G F	25890
Cockburn E O	94887
Cockcroft R	29164
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Cockerham C C	867
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Cockerill J	12598
Cocking E C	1330
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Cockrel O H	22747
Cockrem F	12112
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Cockrill W R	3095
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Cockshull K E	33886
Cocola P M	84775
Coconut Research Institute of Ceylon	12535
	25576
Cocozza J	53850
Cocozza M A	87580
Cocucci S	88126
Codd L E	101
Coddington J W	7250
Codekas E J	14120
Codere P	44896
Codina Padilla F	82241
	82242
Codreanu R	29787
Cody W J	15730
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Coe E H	87394
Coe G E	50671
Coe R L	55775
Coe R R	50186
Coelho M A T	11292
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Coelho M T	14962
Coen-Giordana G	94197
Coenen E	64129
Coenen J	9940
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Coenradie J	51628
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Coetzee F C T	80017
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Coffay E W	78798
Coffee R C	70243
Coffey L C	992
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Coffin D E	17953
Coffin D L	36238
Coffin E	44613
Coffin R	86063
Coffindaffer B L	23467
Coffing R L	47756
Coffman B S	26017
Coffman F A	1461
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Coffman H G	86063
Coffman J R	47661

	Item
Coggins L	11564
	81251
	81266
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	81320
Coggshall M	12680
Cognard A	34345
Cognetti G	46992
Cogniet L	45572
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Cohen B J	28164
Cohen C	63380
Cohen C F	5131
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Cohen R Z	42947
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Cohen S J	47757
Coher E I	29423
Cohn M L	63296
Cohn N S	24566
Cohrs	86157
Cohrs P	11565
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Coicev A	43326
Coicev V	43326
Coiciu E	35068
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Coid R C	27864
Coiffait H	21100
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Coignerai-Devillers	93897
Coineau Y	82864
Cointepas J P	42516
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Coit J E	25967
	43857
Coiteux J S F	43742
Cojocaru C	74577
Cojocaru L	84423
Coke C E	84016
Coke E	31710
Coke J E	94656
Coke R L	61742
Coker R R	49876
Colafelice F L	93611
Colagrande O	6121
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Colamaria F	34386
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Colas G	21101
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Colas-Belcour J	92002
Colatruglio C N	29065
Colautti E R de	57288
Colberg C	384
	385
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Colberg W J	31103
Colbourne M J	55267
Colbran R C	600
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Colburn B	61460
Colburn J D	75684
Colburn O	28537
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Colby A S	9671
Colby P D	18568
Colby V L	77507
Colditz P	68057
Coldwell D R	40559
Cole C	38002
Cole C G	37355
Cole C S	68058
Cole C V	18017
Cole D	58350
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Cole D E	35785
Cole D T	69815
Cole E J	49307
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Cole J S	50286
Cole J W	14376
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Cole L J N	39910
Cole L V G	90596
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Cole M S	39911
Cole R H	17799
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Cole R K	3816
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Cole S F	34728
Cole S G	46340
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Cole W E	20880
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Coleby A	12594
Coleby B	22637
Colegio Nacional de Ingenieros Agronomos y Azucareros de Cuba en el Exilio	66517
Colella G	3702
Coleman A W	51000
Coleman C H	19992
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Coleman G S	81034
Coleman J D	61049
Coleman M H	22663
Coleman N A	26830
Coleman N T	34125
Coleman O A	79100
Coleman O H	868
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Coleman R	41693
	41704
Coleman R S	55599
Coleman T H	73184
Coleman V R	73138
Colen J	28359
Coleou J	45186
Coles L E	52912
Coles L W	12497
Coles R	3983
	7122
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Coley-Smith J R	86773
Colglazier H C	94707
Colhoun J	48417
	50287
Colibas I	89626
Colic D B	33478
Coligado E C	20166
	63233
Colinet G	19802
Coll E E	22832
Colla A S	50578
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	51861
Collaborative Pesticides Analytical Committee	33175
	50165
	63727
Collardeau C	47231
	82858
	82859
Collart A	38167
	38168
Collazo-Collazo J	14950
Collazo Sainz L R	23001
Colle G	84874
Collee J G	83327
Collentine G E	63000
Collet P	49786
Collett G C	28826
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Collett R H	20339
Colley O	22293
Colley R H	44971
	71473
Colley R J	13267
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Collias N E	12730
Collier A	58756
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Collier A E	64597
Collier D	61356
Collier J A	77935
Collier J R	62741
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Collier J W	10181
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Collier R J	86106
Collin A	48727
Collin G H	42532
Collin J E	92432
Collin R	32164
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Collings M L	40808
Collingwood A R	7383
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Collingwood C A	4986
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Collingwood H W	26233
Collins C K	35853
Collins C S	75052
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Collins D R	20072
Collins E B	13382
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Collins F I	989
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Collins F M H	27909
Collins G E C	58632
Collins G R	28150
Collins H A	52191
Collins H G	15157
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Collins J S	27632
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Collins R A	27632
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Collins R J	64615
Collins R P	69181
Collins S	12627
Collins S H	57132
Collins W E	81470
Collins W F	74811
Collins W K	9543
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Collins W M	91380
Collinsworth L W	34488
Collinwood	22130
Collis-George N	61050
Collison H	14752
Collison R	5931
Collomb C	24120
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Collon Y	84191
Collura A	51461
Collura A M	52343
Collyer E	81749
Collyer H J	48869
Colm G	23147
Colman G P	85840
Colman R L	9498
	43264
Colmano G	51462
Colmenares C R	62551
Colmet-Daage F	44075
Colombi A	76296
Colombia Dept Admin Nacional de Estadistica	13570
	40966
Colombia Ministerio de Agricultura	7689
	86107
Colombo G	46704
	47210
Colombo P	26401
	45049
	80248
Colombo Plan for Co-operative Economic Development in South and South-East Asia	7343
Colomo de la Villa G	62285
Colon V A	56240
	56241
Colonial Sugar Refining Co	51001
Colonna B	12454
	41604
	77037
Colonna V	81099

	Item
Colonval-Elerkova E	33604
Colorado Crop and Livestock Reporting Serv	74553
Colorado Dept of Agriculture	73073
Colorado River Water Users' Association	61501
Colotelo N	8531
Colotelo N	42533
Colowick S P	51463
Colquitt Mrs W	34729
Colson M	85925
Colson P	79603
Colson T J	47982
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Colter J S	16122
Colton B	6474
Colton F N	35302
Columbetti N N	39420
Coluzzi A	81471
Coluzzi G	80534
Coluzzi M	29490
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Colvalschi T	74496
Colvard D W	48184
Colville W L	69336
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Colvin H W	27720
Colvin J R	16897
Colwell R N	7703
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Colwell W E	76388
Colwick R F	47489
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Colyer C N	64409
Coman G R	86040
Coman T	52166
Comanescu A	10712
Comar C L	3941
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Combeau A	61051
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Comber H F	17422
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Comberg G	45413
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Combs G E	37316
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Combs G F	3846
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Combs W B	13758
Comby L	65386
Comel A	26064
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	26149
	26150
	26234
Comfort A	63123
Comfort C F	91191
Comfort J E	11428
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Comi S	26650
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Comin G	84536
Comins P C M	7975
Comite Interamericano Permanente Antiacridiano	63728
Comite voor Onderzoek op de Bewaring van Fruit en Groenten Sectie I	14142
Comline R S	45551
Commercial Grower	51869
Commichau C	28582
Commissie Opleiding Keuringsdierenartsen	62352
Commissie ter Bevordering der Suikerbietenteelt in de Noordelijke Provincien	17242
Commissie voor Hydrologisch Onderzoek T N O	61502
Commission Internationale de Lutte Biologique Serv d'Identification des Entomophages	37452
Commission Internationale des Industries Agricoles	13437
	14143
	65292
	65777
	66277
Committee for Economic Development Research and Policy Committee	76517
Common R H	11885
	11983
	20205
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Commoner B	87583
Commonwealth Agricultural Bur Review Conference	23830
Commonwealth Bur of Soils	10
	601
	993
	994
	995
	996
	997
	998
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	2477
	2507
	2508
	2509
	2514
Commonwealth Bur of Soils--Cont	2531
	2532
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Commonwealth Club of California	66627
Commonwealth Dairy Produce Equalisation Committee	31909
Commonwealth Economic Committee	74957
Commonwealth Forestry Bur	89970
Commonwealth Mycological Conference	41539
Commun R	17667
	89280
Compagnucci M	3901
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Compaire Fernandez C	54091
Compania Administradora del Guano	26651
Compania Salvadorena de Cafe	13625
Compere H	20810
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Compere R	7654
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Conagin A	35418
	39143
Conard H S	24503
Concepcion I	86039
Conci C	29238
	37957
	37958
	92651
Concienne E J	28989
	29000
	55425
Condamin M	29654
	82742
Conde B	4947
	21484
	64719
	82691
	82865
Conde Vazquez R	85348
Condei G	52166
Condit I J	9606
Condon P	50288
Condon R J	52337
Condon R W	61264
Condon W J	30224
Condrashoff S F	21170
	64410
Condron C H	55521
Cone J F	22419
Cone J F	65541
Confederation de l'Alimentation Belge	5915
Confederation Europeenne de l'Agriculture	32239
	85907
Confederazione Generale dell' Industria Italiana	14837
Confederazione Nazionale dei Coltivatori Diretti	23148
Conference Economique des Pays de la Zone Franc de Mediterranee et d'Afrique	32353
Conference of Veterinary Laboratory Diagnosticians	79773
	90597
Conference on Cooperative Press and Publicity	94723
Conference on Cottonseed Protein for Animal and Man	93898
Conference on Dutch Elm Disease	50289
	50290
Conference on Economic Progress	76075

	Item
Conference on Economic Regionalization	57798
	66319
Conference on Natural Resources and Economic Growth	31804
Conference on Potato Virus Diseases	41983
Conference on Rumen Function	53852
Conference on Water Decisions in the Critical 60's	2396
Conference on Water Research in the University of California	2397
Conferenza Nazionale del Mondo Rurale e dell'Agricoltura	40440
Conger A D	24844
Congres International de la Vigne et du Vin	34670
	43432
	43433
	43434
	52731
	61344
	67685
	70522
	70523
	86239
	86240
Congres Pomologique	43362
	43363
Congres Regional du Peuplier Vallee de la Loire	2646
Congreso Nacional de Veterinaria	36239
Congress on Irrigation and Drainage	26417
Congresso Estadual de Cooperativismo	85926
Congresso Nazionale sui Rimboschimenti e sulla Ricostituzione dei Boschi Degradati	18937
Conibear D I	8120
Coniglio J G	16981
	34263
Coninck F de	18146
	44077
Conkle W H	17371
Conklin D G	75729
Conklin H E	23260
	76154
	94278
Conklin J G	24267
Conklin M J	19303
	36101
Conkling F E	18436
Conley D	6606
	39720
	84147
	93612
Conlogue R M	14699
	57916
Conlon T J	17217
	51808
Conn E E	1357
	60329
Conn H J	15631
Conn L A	78182
Connaughton C A	18629
	44636
	44897
	53137
Connecticut Dept of Agriculture and Natural Resources	15197
Marketing Div	63350
	39596
	75246
Connecticut Nutrition Council	7934
Connecticut Pomological Society	9611
	78030
Connel A A	36895
	45823
Connell C E	38544
Connell J	84921
Connell J J	3096
Connell K H	58140
Connell M C	3910
	20246
Connell W A	12440
	12611
Conneman G J	49222
Conner C J	84017
Conner G H	19460
	36570
Conner R M	62308
	71672
Connola D P	4748
	12628
Connolly J D	37147
Connolly M R	45703
	80108
	80109
	80163
Connor H E	33479
	67428
Conochie J	39359
Conover A G	14631
	31608
Conover Mrs W S	17668
Conrad C M	48190
	84018
Conrad E C	88631
Conrad H M	1012
Conrad H R	11488
	19415
	19803
	45293
	45537
	62749
	90894
Conrad J	44716
	53359
Conrad J H	55006
	55012
	55013
	55014
	55026
	55027
	55040
	55049
	55066
	55108
	55149
	55150
Conrad K	8949
	87584
Conradi H	10867
Conradi R R	60748
Conradie P	29992
	83184
Conrady E	57139
Conroy E	59828
	77509
Conroy H W	75541
Conroy M L	14433
Conroy R J	8433
	50527
	77284
Conroy W L	15198
Conseil des Semences du Quebec	40137
Conseil National du Patronat Francais	40891
Consiglio C	21485
Consigny V	35696
Conso P	27238
Consolazio C F	7931
	83371
	86040
Consolazio F	86063
Consolidated Badger Cooperative	32271
Consolini A	11405
	40441
Consolo F	44346
Consorzio Nazionale per il Credito Agrario di Miglioramento	75871
Consorzio Nazionale Produttori Canapa	68429
Constabel F	24845
Constable D N	39134
Constable F H	39134
Constache I	10155
Constance L	67473
	67474
Constant R	76786
Constantin A	45824
Constantin E	58141
Constantin M	47232
Constantin P	34493
	43233
Constantin S	79313
Constantin Y	45824
Constantineanu M I	92541
	92542
Constantinesco D G	16298
	59396
Constantinesco M	16298
	59396
Constantinescu C	27302
	27413
	28154
	90569
	91119
	91242
	91305
	91318
	91319
	91320
Constantinescu D	90848
Constantinescu D G	69095
Constantinescu E	29986
	33302
	73384
Constantinescu G	33110
	33302
	51972
Constantinescu N	2647
	51002
	51929
Constantinescu O	45118
	48166
	84019
Constantini F	85842
Constantinidis A	54287
Constatin M	10713
Constien E	21749
Consumers Cooperative Association	32272
Contacos P G	55269
Contandriopoulos J	7855
	76902
Contardo F	45825
Contessa A R	33623
Contestabile O	85349
Conti A	54308
Conti S F	24666
Contin M	855
	59682
Contini A	81035
Contiu I	80802
Contracting Parties to the General Agreement on Tariffs and Trade	58246
Convegno Nazionale della Risicoltura	60404
Convegno Nazionale per i Problemi della Produzione Valutazione Commercio e Distribuzione della Carne Bovina	65962
Convegno Ortofrutticolo Triveneto	93533
Convegno Regionale Toscano sulla Bonifica Sanitaria degli Allevamenti Bovini	72118
Convegno sui Problemi Olivicoli della Fascia Litoranea Toscana	22664
Convencion Nacional de Medicos Veterinarios	53853
	62353
Converse H H	31140
Converse R H	24404
	37710
Conway A	89653
Conway E	34973
	42540
Conway E J	19461
	25195
Coohon D	23525
Cook A A	1846
	16421
	67263
	67264
Cook A C	7856
	7857
	14121
	15360
	49590
	75085
Cook A H	39806
Cook B B	41070
Cook C D K	102
Cook C D K-- Cont	59244
	68233
Cook C F	31239
Cook C W	12093
	27602
Cook D	53258
Cook D B	388
Cook D J	32465
	65070
	65553
Cook D R	46779
Cook E D	10182
	25407
Cook E F	29443
	46808
	73665
	81506
Cook E W	74812
Cook F T	25500
Cook H L	85686
Cook H O	26665
Cook H R	22748
	48614
Cook I	28565
Cook I L	66216
Cook J	91394
Cook J A	4749
	59829
Cook J R	9246
Cook J W	65090
Cook L M	12995
	29655
	38448
	55934
Cook M G	78675
Cook R E	72459
Cook R L	1013
	26649
	43883
	52732
	52735
Cook R N	17680
	52203
Cook S	7108
Cook S F	55776
Cook W B	42948
Cook W C	27928
Cook W R	7727
Cooke D A	77963
Cooke F	2398
Cooke F C	1917
Cooke F T	2399
	34542
	58013
Cooke G B	71558
Cooke G W	26235
	78585
	78975
Cooke H G	55777
Cooke I J	86626
Cooke J A L	4912
	4913
	38018
	73549
	73550
	73551
	82128
Cooke M T	58343
Cooke N J	13729
Cooke R C	8622
Cooke R G	25187
Cooke W B	15859
	50124
	86392
Cooke W G	78586
Cookson I C	11
	15632
Coolen W J	13684
Cooler E W	18938

	Item
Cooler F W	30994
Cooler J	30994
Cooley H D	48593
Cooley M L	30703
Coolidge J H	23061
Coolman F	38607
	40560
	49071
	64766
	64767
Coomans A	25607
	51930
Coombe A	34974
Coombe B G	34224
	42541
	46542
Coombe D E	32757
	59830
Coombe J B	4154
	91652
Coombes A N	9324
Coombs C W	29408
	82271
	92353
Coombs.P H	23468
	94657
Coombs R R A	28648
Coon B F	82515
Coon W O	47886
Cooney E A	90076
Cooney J F	29880
Cooney P M	31347
Coony J J	15141
Coop I E	3035
	28434
	54895
	54896
	72770
Cooper A	22782
Cooper A J	60861
Cooper A L	35018
Cooper A N	84954
Cooper A S	30856
	30884
	74961
Cooper A W	56120
	64832
Cooper B S	37224
Cooper B F	71556
Cooper C M	4679
	74479
	86158
Cooper C R	3253
Cooper C S	89832
Cooper D C	804
	8802
	50672
	50877
	59887
Cooper D J	53010
Cooper D M	82366
Cooper D N E	6475
Cooper D W	2753
Cooper E H	23041
Cooper F A	37527
Cooper F J	31345
Cooper F P	7072
Cooper G H	54755
Cooper G R	15633
	16556
	16557
Cooper H K	63010
Cooper J	19635
	36382
	53613
Cooper J C	67276
Cooper J P	1192
	16855
	24698
Cooper K W	82243
Cooper M I	29117
Cooper M M	7756
	32165
	43224
	73045
	76518
	90518
Cooper M R	32354
Cooper P D	53854
Cooper R	18062
	39033
	40376
Cooper R C	52340
Cooper R E	70941
Cooper R F V	73323
Cooper R H	17669
Cooper R J	3268
Cooper S A	63143
Cooper W C	8155
	51003
	59831
Cooper W E	627
	33176
	44614
	44616
Cooper W T	7182
Cooperatieve Centrale Raiffeisenbank	14700
Cooperatieve Dorpsvereniging "Ruurlo"	85927
Cooperatieve Stoomzuivel-fabriek "De Volharding"	76470
Cooperativa Algodonera Salvadorena	6476
Cooperative Auditing Serv	48185
Co-operative Federation of Western Australia	30548
Cooperative Grange League Federation Exchange	49551
Cooperative League of the USA	23554
Co-operative Union	58213
Co-operative Union of Canada	40907
Cooperrider T S	7819
Cooray G H	15313
Coordinated Wood Preservation Council	32699
Cooreman J	50023
Coot D J	59245
Coote G G	63043
	53563
	82129
	93295
	14156
	31294
Cop B	2563
Copa W M	53769
Cope D D	54215
Cope E D	25429
Cope W A	11349
	60510
	87395
Copeland H F	68234
Copeland H R	84063
Copeland H W	24121
Copeland O L	44717
	53022
Copeman G J F	1557
	88534
Copenhagen Grosserer-Societetets Komite	32355
Copenhagen Universitetet Botaniske Have	23860
Copenhagen Veterinaer- og Landbohøjskole	86255
Copenhaver J S	27626
Coper H	81473
Copien	15536
Coplan M J	65582
	84040
Copley M J	65207
Coporda M	84651
Copp J H	7820
	15334
Copp L G L	29917
Coppa-Zuccari G	31346
Coppel H C	5286
	12629
	21273
	92622
	81874
Coppenet M	78479
Coppens R	94033
	84192
Coppersmith R L	39883
	39944
Coppi R	3097
	11377
Coppini R	45376
	84601
Coppitters R	62286
Copplestone J F	41605
Coppock C E	36581
Coppock G E	64876
Coppock J B M	75279
	84425
Coppock S	73193
	92636
Coppola	84782
Coppola G	40042
Coquillat M	59397
	87258
Coras Trachtala	23593
Corash P	47936
Corbaz R	50334
	67789
	67790
	67811
	67812
	67834
Corbeau J	63732
Corbel J	61619
Corbellini A	3436
Corbet G B	4490
	5080
Corbet P S	5183
	20623
	21012
	21255
	38169
	46420
	46977
	47233
	55833
Corbett E J	65437
Corbett J L	79661
Corbett M K	542
	16143
	59141
	87399
Corbett N H	59811
Corbett R A	54092
Corbett R B	54471
	58142
Corbett R E	57334
Corbett W M	22189
	39479
	45049
Corbetta D	
Corbetta G	46619
	70022
	81640
Corbin	62287
Corbin J E	28067
	72362
Corby H D L	88267
Corcelle P	17106
Corcoran M R	68607
Corcos A F	33762
Cordeiro A R	12867
Cordell E C	76100
Cordell J T	11762
Cordero del Campillo M	54275
Cordes D O	27972
	91192
Cordier L	17835
Cordiez E	86159
	90895
Cordiner K	28250
Cording J	65784
Cordner H B	17569
	89131
Cordoba V J A	1683
	78042
Cordon E C	19095
	70970
Cordonnier P	94209
Cordonnier R	87388
Cordrey J B	88669
Cords N P	17719
Cordukes W E	19380
Cordy C	46543
	46544
Cordy C B	17330
	24122
	51931
Cordy D R	27459
	37228
Core E L	34975
	58633
	86300
Core H A	71602
Coretti K	31276
	36478
	39906
	39907
	39958
	48669
	66037
	84602
Corey A T	2033
Corey F	47687
Corey F P	6661
	56992
	84240
	84241
Corey R B	52530
	52793
Corey Mrs W S	60749
Corgan J N	43598
Corillion R	32908
	33480
	41374
Corke A T K	397
	8434
Corlateanu S	2615
	27194
Corley E L	3283
Corley J R	5964
	6785
Corley R N	75872
Corley T E	43732
Cormack M W	16031
	50355
Cormack R G H	42196
	50673
Cormany C E	43327
	49286
Cormus D	27302
	90569
	91342
	91343
	91826
Corn P	68001
Corn Industries Research Foundation	57508
Cornea I	11009
Cornelius A	72679
Cornelius C	20372
Cornelius C E	11232
	20373
	37244
	80249
	81075
Cornelius D R	1558
	10820
	17151
Cornelius E	47451
Cornelius P L	1014
Cornell N	50521
Cornell R D	89002
Cornell Nutrition Conference for Feed Manufacturers	3036
Cornell University College of Agriculture	74893
	7475
Corner A H	36542
	46239
Corner E J H	15690
	76934
	86301
Corner J	46671
Corner J J	9263
	77772
Cornet	60405
	64768
	74055
Cornet L	83715
Cornett E	52291
Cornfield A H	17954
	18066
Cornille B	92911
Cornish J J	83165
Cornish R J	7476
Cornman J F	1918
	17754
	25891
	26236
	52262
	78183
Corns W G	43694
Cornu A	77861
Cornuet P	50477
	87007
Cornwallis F N W	46289
Cornwell D G	24626
Cornwell P B	46323
	87011
Cornwell R L	62742
	62743
	80250

	Item
Coroiu C	36993
Corona E	87158
Coronado G	23661
Corporacion Venezolana de Guayana	94278
Corpuz Z V	63076
Corradetti A	4474
	29424
Corradi F	7757
	78095
Corradini C	21780
Corradini L	3437
	72442
Corrado A	28100
	80626
Corral C	67665
Corrales Macedo A	34880
	43695
	78420
Corran J W	13530
	20462
Correa A A M	7705
	35550
	49787
Correa D M	35304
Correa O	45253
Correa Q	21988
Correa R R	55270
	55276
Correa Dominguez J	28958
Correch J P	66217
	83088
Correia E M	74578
Correll C M	94658
Correll D S	32874
Correu Toledo D	51832
	77884
Corrias A	13170
	80251
Corridoni L	40442
Corriedale Sheep Society	91621
Corrivault G W	29343
Corrivault W	38121
Corry H E	36842
Corry J N	32576
Corsin P	49914
	58492
Corson O D	28157
	79881
Corstiaensen W P M	29830
	38607
	49223
Corstvet R	20187
Corta E V	72080
Corte A	41758
	50475
	87005
	87006
Cortelezzi C Q	22556
Cortell J M	17670
Cortes I A	24217
	25578
	62288
Cortes I S	89654
Cortes R T	10930
	71428
Cortes-Monllor A	8568
Cortes Navarro V	57082
	65797
Cortes Valdes J F	47843
Cortez A	12136
	54941
Corti E F	67190
	79280
Cortini C	24040
Cortis-Jones B	66218
	85009
Cortright G C	48235
Corty E	74958
Corty F L	23064
	57963
	85578
	85579
	85580
Coruthers J M	9841
Coryndon Memorial Museum	55935
Cosack G	83396
Coscarelli W	87585
Coscaron S	64465
Coscia A A	84426
Coscia C J	19319
Cosgrove A S	3902
	45904
Cosgrove D J	78332
Cosgrove J S M	20070
Cosgrove M	28101
Cosgrove R C	21882
Cosmin O	9387
	51821
Cosmo I	25638
	25639
	25640
	74579
	76712
	78084
	78085
	78086
Cosolo S	29995
	83185
Cosper H R	18437
	44347
Cosse V	40770
Cosserat Y	20206
Cossins E A	77773
Cosslett K E	21856
Cossy A	69772
	69773
Costa A B S da	48971
Costa A S	535
	24405
	33375
	33391
	87008
Costa A V R da	74580
Costa B L da	45919
Costa J J	57218
Costa J V B da	18147
Costa L	36240
Costa M	12762
	38019
	38020
	85010
Costa P H da	43089
	43090
	67791
Costa R	30263
	47844
Costa de Oliveri	17423
Costa Rica	23594
Costa Rica Direccion General de Estadistica y Censos	39083
Costa Rica Ministerio de Agricultura e Industrias	23715
Costa Rica Universidad	76386
Costache I	51701
	89748
Costachescu I	83632
Costacos T A	37742
	64016
	64017
Costain R A	28583
Costan G	52472
	52733
Costantini H L V	71746
Costanzo N C	75513
Coste C	64072
Costea C	10519
Costel G	43675
	44348
	52913
Costel G L	2400
	5801
	83166
	89251
Costello D F	52291
Costes C	33889
	88127
Costeseque R	82130
Costesseque R	21102
Costigan M	89003
Costilow R N	22024
	57509
Costin A B	19054
	19055
Costin G	39393
Cotanch I	13626
Cotchin E	11749
Cote J	62790
Cote M	44541
Cote W A	27116
	36133
	62224
	71602
	79600
Cothren V W	53597
Cotiga O	80849
Cotner E C	74856
Cotney W W	32601
Cotrufo C	1756
Cotrut G V	75733
Cott A E	51932
Cotta F	56966
Cottam W P	76926
Cotte A	43225
Cotte J	22657
	70244
Cotteleer C	3726
	19804
Cottenie A	70245
Cotter D J	33890
Cotter U	90534
Cottereau	20374
Cotterill O J	22749
Cottew G S	53856
Cottier G J	11886
Cottier M	72892
Cottin	45515
Cotton F H	84924
	4913
	5596
	13074
	38018
Cotton N	22462
Cotton R T	20864
Cotton R T	29118
	29119
	37767
	37768
	46620
	46621
	55532
	73333
	73334
	73335
Cotton R T-- Cont	81840
	81841
	92204
	92205
Cotton T E	45986
Cotton Defoliation and Physiology Conference	17107
Cotton Disease Council Committee on Disease Losses	77038
Cotton Improvement Conference	69459
Cotton Marketing Conference	48186
Research Clinic	22190
	74959
Cotton Production-Mechanization Conference	48187
Cottonseed Processing Clinic	57335
Cottrell H E	36872
Cottrell R H	85350
Cottrell-Dormer W	85843
Couch A B	4475
	81474
	81475
Couch H B	446
	15886
	67792
	86627
Couch J R	3971
	11868
	11890
	11891
	19376
	20148
	20207
	28191
	36983
	45905
	45925
	45951
	45990
	54704
	71647
	72503
	72507
	72677
	80736
	91402
	91410
	91411
	91412
Couchman R	14130
Coucou V	51464
Couden H N	56415
Coudreau J	14838
Coudriet D L	8592
Couey H M	15991
	30991
Coufal J	90292
Coufal J E	61703
	70959
Coughenour C M	58237
Couillaud P	87762
Could W A	65788
Coulet M	69218
Coulombe L J	15992
	50381
Coulon J	11223
	29066
	46534
	63007
	63729
	80530
Coulon M De	18838
Coulson C B	5597
	48124
Coulson C E	5381
Coulson D A	57584
Coulson D M	65068
	65071
Coulson E J	57390
	74706
Coulson J C	82367
Coult D A	9267
	68714
Coulter B	53435
Coulter D J B	31490
Coulter E W	93030
Council for the Preservation of Rural England	49386
Council of Europe	39084
Council on Fertilizer Application	10183
Committee on Vegetable Crops	10184
Counter F	80878
Country Women's Association of New South Wales	76443
Countryman C M	79380
Counts B J	17108
Couperot G	84427
Coupland R T	52298
	57800
Cour P	23950
Courduroux J C	87586
Cournier M	48835
Cours G	44167
Coursey D G	14144
	22665
	93899
Courshee R J	1919
	5799
	5810
	5811
	13294
Court A	10355
Court D	4677
Court M N	17999
	89655
Courtejaire J	32883
Courtenay H	48836
Courtenay H V	30196
Courter J W	52008
Courtice J	70747
Courtier F A	79365
Courtieu A	62348
Courtney W D	59205
Courtois G	38372
Courtois J E	1331
	16898
	29344
	51465
	51466
Courtot Y	24995
	87259
	87801
Courts A	14341
Courty G	23060
Courvoisier F	90896
Cousens J E	86431
Cousins F B	12113
Cousins R	76471
Coussin B R	65905
Coutanceau M	25549
Couteaux R	73659
Coutin R	4680
	29345
	37626

	Item
Coutin R-- Cont	38449
	81660
Coutinho J de O	58143
Coutinho J M	28974
	29120
	37627
	37711
	55398
Coutinho N	85011
Couto F A A	42542
Couto J L	80018
	80019
Coutrait J P	90345
Coutts A M	56870
Coutts B	3254
Coutts L	62514
Coutu A J	53211
	57671
Couturier A	55718
	64334
Couturier S	82244
Couvee L M J	67111
Couvreur F P	49458
Couvy J	59832
Cova Garcia P	82488
Covaliu C	91760
Covalschi T	38886
Covar R R	48141
Covas G	90816
Covatta A	11566
	62553
Covell C V	29656
Cover M S	28259
	31432
Cover S	31259
Covey W G	26018
Covinea V	91904
Covor A	9353
Cowan C B	12455
	12459
Cowan C S	10816
	44875
Cowan F T	92073
Cowan J C	22666
	31347
	57394
	84798
Cowan J R	1559
Cowan J W	36961
Cowan K M	54458
Cowan R J	2240
Cowan R L	35161
	43200
Cowan R S	8198
Cowan T O	41606
	43553
Cowan W A	19673
Cowan W T	34976
Cowdry W A R	61481
Cowell F M	74479
Cowell N D	6034
	65778
Cowett E R	16558
	87587
Cowhig J D	49072
	85275
Cowie A T	4109
	62719
	90598
	90651
Cowie D	36150
Cowie J D	10106
Cowie R S	45575
Cowing A	66912
Cowles D A	10107
Cowley D R	82593
Cowley G T	63763
	70330
Cowley W R	18164
Cowlin R M	13383
Cowling D W	18266
Cowling E B	27053
	61978
Cowperthwaite W G	4788
	37846
	81434
Cowsert W C	3327
Cox A E	7669
Cox A L	10181
Cox C	48189
	74960
Cox C E	15889
Cox C P	21571
	54154
Cox C S	78106
Cox D F	4171
	46228
	63684
Cox D H	81252
Cox D R	83802
Cox E	65504
Cox E A	50312
	69065
Cox E H M	9699
	23772
Cox E L	29043
	34201
Cox F R	1642
	59833
Cox G E	74094
Cox H A	90448
Cox H E	83328
Cox H F	48015
Cox J	59138
Cox J A	12537
Cox J R	17671
	43696
Cox M	30107
Cox M B	89908
Cox O S	81935
Cox P	48125
Cox P A	9699
Cox P D	22738
Cox R	30605
	64984
Cox R C	71022
Cox R F	3037
	3394
	93777
Cox R S	59099
Cox R W	49160
	83586
Cox W M	4394
Cox W S	75094
	93031
Cox W T	38855
	38856
Coy D O	50819
Coy W A	84322
Coyner J	36382
Coyner M B	23773
Coyner M S	85351
Coz J	38269
	63814
Coz M	63814
Cozzani C	21704
	93582
Cozzi P	21989
	81036
Cozzo D	18939
Crabb W E	45337
Crabbe J	68608
Crabill R E	55661
	82131
Crabtree G	42721
	69793
Craciun S	57905
Crack B J	61120
Cracknell B E	40539
Craen G	67039
Craenenbroeck A van	74511
Craft C C	39740
	51004
	84312
Craft W A	19355
Craft W D	3327
Crafts A S	1015
	1016
	9867
	25113
	51005
	89281
Cragg G M L	77774
Cragg J B	37959
Cragle R G	45611
	72246
Crago G	53142
Crago V G	19993
Craib I J	90330
Craig B M	17230
	77795
	84783
Craig D A	20881
Craig D L	1710
Craig F R	72600
Craig G A	2869
	19192
	27072
	70988
	71457
	71458
	90368
Craig G B	5184
Craig H B	14377
	20543
	48615
Craig I L	68489
Craig J	19805
	20379
	46115
Craig J B	7706
	44898
Craig J C	13720
Craig J D	5734
Craig J V	72468
Craig R	37469
Craighead C C	20149
Craighead M R	35878
Craighead T E	31805
Craigie J H	24567
Craigmiles J P	869
	25750
	38718
Crain G B	27910
	72286
Craine E M	6759
Cram W H	2706
Cramer A	30357
Cramer A	65673
Cramer H H	4750
	12630
Cramer H W	12411
Cramer O P	10817
	90275
Cramois	85208
Cramp R C	3222
	11378
	11379
	36368
	45384
	46162
	54049
	62961
	63685
	71874
	90780
Crampton B	15731
	50084
Crampton E W	1594
	28605
	36851
	63581
Crandall P C	980
	1538
	1757
	6700
	52274
	69709
	86692
	88309
Crandell R A	36815
Crane A E	21171
Crane C S	27721
Crane E	20943
Crane F L	88167
Crane H L	17394
	22294
Crane H R	30437
Crane J C	33605
	33710
	87250
Crane T P	11027
Crang A	14145
Cranham J E	55480
	56220
	73275
Crans W J	81520
Cranston F P	29521
Cranwell L M	740
	24568
Cranz K L	4226
	12219
	19896
	45521
	79708
	80174
Craplet C	11887
	36984
	63243
	91427
	91428
Craplet C C	28724
Crary D	28405
Crasemann E	11231
	19743
Craske J D	48642
Craufurd C	5382
	5383
	82682
Craven C P	27722
Cravens M E	56993
	65117
	93081
	93583
Cravens W W	3038
	63242
	72938
Crawford C O	32166
	32167
Crawford C S	73810
Crawford D B	90184
Crawford D E	44511
	48955
Crawford D V	1017
Crawford E J	43226
	51742
Crawford G	10818
Crawford J W	23440
Crawford L A	32273
Crawford L V	48054
Crawford M	27324
	62354
Crawford R	91679
Crawford R D	80701
Crawford R F	3484
Crawford R J M	39360
	93394
Crawford R M M	50674
Crawford T V	319
	58823
Crawford W B	66154
	57510
	75730
	75731
Crawley G J	27325
Crawley W E	33177
	71839
	72836
	72879
Cray A S	22983
Crea V	14321
	14839
	23048
	48511
	58055
	76101
	76472
	85352
	85908
	94210
Creager D B	50437
Crean P B	22931
	22932
Creanga E	27326
Creary D B	5841
Creasy M T	50806
Creasy W D	33606
Crecink J C	14981
Credit Agricole et Cooperatif	14701
Creditkassen for Landejendomme i Ostifterne	40303
Cree C B	24932
Creech J L	1803
	23951
	58493
Creech K R	65055
Creed R F S	3639
Creek M J	90995
Creek R D	3960
	53770
	72504
	72505
	90599
	91395
Creelman D W	33162
	77039
Creely J J	48190
	84018
Creer P J	66766
Creger C R	11868
	11891
	45925
Creighton C S	28959
	55373
Cremaschi D	47339
Cremenescu G	78657
Cremer H D	76585
	94821
Cremlvn R J W	15993
Cremonesi G	28100
	80626
Crepaz E	78989
Crepin P	20323
	37170
Crescimanno F G	26237
	89656
Crescini A M G de	53889
Crescini F	35305
	68609
Crespi H L	1353
	9315
Crespo D G	88560
Crespo J A	73136
Crespo R	48171
Crespo V M	36241
Cressman A W	4681
	12538
	73578
Cressman H K	89657

	Item
Cresswell C F	34282
Cresswell E	12116
	20378
	46097
	63393
	81024
	91682
	91683
Crete P	42197
	68235
Crete R	33126
Cretenet S	65595
Creutz E	67429
Creveling R G	8897
Crewdson R C R	38450
Crewe W	21172
	21173
Crews F W	45254
Crews J W	78010
Crews P	14840
Crewther W G	22191
Cribb A B	77004
Cribb P W	21372
Crichton J A	72050
Crickenberger R S	40028
Criddle W D	52914
Cridland A A	32630
Crighton G W	63011
Crim L W	17321
Cripps J	77510
Crisan A	67898
Crisan I	44078
Crisanti E A	75962
Crisler J N	12456
Crislev F D	51478
Crisman I	23537
	23538
Crismaru V	4578
Crisp D T	92494
Crispin A	77099
Crist E E	34634
Crist R E	6760
Cristea S	81117
	93948
Cristescu M	75437
Cristini B J C	75520
Cristoferi G	49569
Cristofolini F	79281
Cristoph H J	45745
Cristurean I	10598
	68236
Criswell J F	61345
Critchfield F E	31368
Critopoulos P D	389
Crittall G G	30633
Crittenden H W	51813
	69633
Crittenden L B	20120
	72712
Critz N M	49518
Crivellari D	11061
Crncevic V	42543
Croasdale H	41509
Croce G della	63466
Crochet P	32168
Crocioni A	70728
	83067
Crocker J H	57672
	85209
Crocker R L	43992
	78480
Crockett C	63178
	80665
	91291
Crockett D	28950
Crockett J R	19696
Crockett R	65861
Crockett S P	17226
	51708
	52815
Croegaert J	43939
Croft A R	44131
Croft P G	3098
Crofton W M	4242
Crofts F C	19697
Croise R	62026
Croley C E	42544
Croley V A	89658
Crom R L	13333
Cromarty A S	92876
Crombach J J M L	19636
Crombie L	4337
Cromcombe R G	85720
Crome I	55662
	82132
Crome W	55662
	82132
Cromwell C F	52915
Cronau W	56212
Cronin C H	20708
Cronquist A	70
Cronshaw J	11115
	11116
	25258
Cronshey J F H	43697
Crook E M	68237
Crook H	34730
Crookall J O	22058
Crooke M	92224
Crooke W M	16663
Croome J F	26758
Croon I	19257
	36024
	90413
Crop Quality Council	25269
Cropley R	575
	8584
	8585
	68002
	68036
	87009
	87063
Crosby D G	59920
Crosby J L	14361
	42350
Crosby J S	44830
Crosby L	39668
Crosby N T	84726
Crosfield (Joseph) and Sons	57511
Crosier W F	24218
	50291
	58954
	58955
	77511
	77560
	78427
	94004
Cross A J	23081
Cross B A	37151
	54862
	90600
Cross C E	17672
	33044
	34978
	78184
	89282
Cross D L	73074
Cross F H	11558
Cross H F	46382
	46780
	82133
Cross J E	75521
Cross J F	19759
Cross M M	84021
Cross M W	13123
	13192
	21517
	73934
Cross M W-- Cont	83186
	89833
Cross T	67856
Cross W E	1018
	7251
Crossa-Raynaud	33891
Crossan D F	24395
	58956
	81633
Crossan R M	43478
Crosse J E	8559
	50435
Crosse R	16064
Crossed C	21814
Crosskey R W	5081
	20624
	55778
	73666
	82368
Crossley A	14451
	22667
	48795
Crossley D A	73581
	92316
Crossley H E	34731
Crossley J H	17424
Crossley R	45576
Crossman B D	31661
	54167
Crossman W G	61605
Crossmon B D	85496
Crouse E F	22622
	49025
	85784
Crouse H V	741
Crouse R P	35854
	71313
Crouzel I S de	15887
	64411
Crovetti A	37628
	38084
Crow A B	10520
	10714
	10749
	53282
Crow J F	4338
Crow P K	21590
Crow P N	55936
Crow W B	23716
Crow W D	60299
	60300
Crowden R K	9247
Crowder L V	1203
	17144
	51746
	88535
Crowe G B	49285
	55424
	58013
Crowe R S	46919
Crowe S	43479
Crowe T J	73276
Crowell G C	43698
Crowhurst B	6349
	6350
	22092
	22093
	48045
	48046
	83892
Crowley A J	51629
Crowley D J	34671
Crowley H C	60301
Crowley Mrs H C	34295
Crowley J P	81001
Crowley M P	88128
Crowley N C	59192
	87010
Crowley P R	22463
Crown R M	11406
Crowson E A	64278
	73507
Crowson R A	12802
	64335
	73507
	73894
Crowther R E	90304
Croxall H E	41759
	77224
Cruco J	64877
Crucq J	38608
Cruden R W	103
	73895
	86432
	86433
Crues W V	21945
Cruess W C	57057
	65779
Cruess W V	6701
	14146
Cruger G	41938
Cruickshank B	36451
Cruickshank I A M	1332
	24332
	50292
Cruickshank J G	72210
Cruickshanks J	12235
Crum H A	41338
Crum J F	22447
Crumley B	84022
Crump M H	45599
Crumpacker D W	51630
	59687
Crundwell A C	58746
Crusells J	2270
	18267
	18268
Crutchfield H W	13891
Cruttwell N E G	32631
Cruz A O	84407
Cruz B P	33178
Cruz B P B	24188
	24219
	24220
	24221
	24222
	24333
	41760
	41775
	41836
Cruz C da C	5298
Cruz E	71990
Cruz F B	85090
Cruz J	62569
Cruz M A da S	21373
Cruz P F da	6870
Cruz R A	34548
	34549
Cruz R d'	9321
	22795
	59724
Cruz-Conde F	14958
Cruz-Lagrange M D	74961
Cruz Riascos L C	23469
	23470
	49459
	85353
Cruz S Z	94198
Cruzado H J	50162
Cryer T L	93442
Csak Z	21737
	60862
	69923
Csanady E	26151
Csanlon E H	89096
Csanyi S	61887
Csapo Gy	45818
Csapo I	70179
Csapody V	15691
Csatári F	74242
Csath B	78799
Csawossy G	74603
Cseh E	962
	42545
	87542
Cseh M	14753
Cseh S	27516
	45577
Cseki E	50204
Cselotei L	70729
Csepinszky A	49224
Csepregi P	25641
	68610
Cseri P	56064
Csernok A	57707
Csete L	31660
	93203
Csetneki A	77862
	87396
Csider L	70180
Csikvary L	63381
Csire L	3226
	28560
	28728
	46167
	46198
	72904
	81152
	81187
	91791
Csiszar J	29291
Csiszar V	19462
	66041
	81137
	90601
	90781
	93358
Csitkovics A	88738
Csizmadia E	76102
Csizmazia A	43227
Csizmazia J	19006
Csoka L	71188
Csomos Z	71903
Csongrady Mrs M	70023
Csontos J	55116
Csontos L	20375
	20415
	46131
	46132
	63624
Csorba J J	30037
Csorba Z	86774
Csukás Mrs A	45714
Csukas-Szatloczky I	46929
Csuti E	67793
Csuti I	41761
Cuany R L	42842
Cuaresma T G	10930
Cuatrecasas J	8199
	23952
	41375
	58634
Cuba Oficina de Informacion y Publicaciones	22833
Cubas Caceres E	90817
Cubbedge R H	93556
Cuboni E	91306
Cucchetti P	74439
Cucchi C	71088
Cucchi N J A	67808
Cuccorese H J	23639
Cuckler A C	20208
Cucu I	83268
Cucu N	80960
Cucurachi A	14452
Cue P	5384
Cuenca C L de	20324

	Item
Cuenca F	34550
	57512
Cueto Nicanor F J	18570
	44470
Cuevas A	34489
Cuevas C	69713
	69714
	78043
	78241
	88975
Cuevas O	67794
Cuff R L	4476
Cufodontis G	23953
	41376
Cuille J	83167
Cuisance P	50169
Culberson W L	250
	8288
	24080
Culbertson H	15619
Culbertson J O	9416
Culbreth R C	85965
Culbreth W	58554
Culdahl C E	44597
Culevic C	80020
Cull R	83966
Cullen J	41370
Cullen J R	73139
	81471
	81612
Cullen M P	80737
Cullen N A	1560
	77939
Culler P	65504
Cullinan F P	17280
Cullington J M	22750
Cullison A E	3332
Cullyford J S	84910
Culot J P	34346
Culot L	56534
Culp E J	40162
Culp T W	91487
Culpin C	47285
	74095
	82936
Culpin S	47537
	74139
	80116
Cultrera R	31014
	56994
	74512
Culvenor C C J	34295
	60301
	60302
	63130
Culver A A	37356
Culzoni V	79774
	80627
Cumber R A	28960
	28961
	28962
	46738
	82817
Cumberbirch R J E	6477
	22192
	48191
Cumberland K B	58115
Cumbie B G	33607
Cumlivski B	27603
	72771
	91622
	91623
Cumming B G	16559
	49979
Cumming C N W	28130
Cumming G W	43480
Cumming M E P	64482
Cumming R W	89096
Cumming W A	34732
Cummings B S	36787
Cummings G A	33892
Cummings M W	50170
	83282
Cummings R B	80803
Cummings R W	15199
Cummings W H	44857
Cummins G B	251
	33644
	41540
	67382
	67590
Cummins K W	38565
Cummins W R	31268
Cunanan C	70971
Cunanan S F	26706
Cunat P	52916
	57083
Cunat Broseta P	57098
	75160
Cunha F R	61052
Cunha R G	53892
Cunha T J	3255
	28584
	36479
	36480
	45476
	45477
	72939
Cunliff K M	60750
Cunliffe H R	91843
Cunningham B	80628
Cunningham C	6263
Cunningham C J	54911
	72619
	80735
	81481
Cunningham E A	93312
Cunningham G	5916
Cunningham G R	19313
Cunningham H M	55021
	72907
	80158
	81253
	81265
Cunningham I C	43707
Cunningham I J	73075
Cunningham J D	5751
	29934
	38612
	38729
	56165
Cunningham J L	742
Cunningham J M M	28435
	46124
Cunningham K	28128
Cunningham K P	3741
Cunningham L C	7655
	21990
	30447
	31797
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	85631
Cunningham R K	52734
	61016
Cunningham R L	52645
Cunningham R T	55174
Cunningham T S	16988
Cunningham T S	34387
	34457
	51631
Cuozzo R F	45974
Cuperlović K	79860
Cuperlovic N	11550
	36223
Cupina T	87588
Cuppett D G	19096
Cupps P T	4014
Cupta R C	71569
Curdt G	47340
	83039
Cure V	25968
Curic R	71043
	79282
	87938
Curkovic M	79188
Curl A L	30938
	57019
Curl E A	41607
Curl S E	19637
Curlanis J	81188
Curle R	4309
Curley R D	70510
Curley R G	38673
Curlin J W	18940
Curman J	92965
Curme J H	87589
Curnow R N	12086
	19638
	33763
Curran C D	14963
Curran P L	42198
Curran S	81001
Curran W A	7046
Currell J L	76320
Currence T M	52080
Currey J D	54276
Currie A	32957
Currie J D	57918
	88536
Currie L	94279
Currie N L	38566
Currin R E	88792
Curry A N	24846
	30939
Curry B	30
Curry G M	88014
Curry J R	10868
Curry L	51743
Curry L L	12868
Curry T L	52196
Curth P	68611
Curtin L V	72938
Curtin T J	81476
Curtis B C	1561
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Curtis R A	19806
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Curto G	80738
Curto G M	27239
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Curvey B A	40654
Curwen D	22431
Cury A	62355
Curylo J	31212
Cushing E J	32632
Cushing I E	40163
Cushman H E	10213
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Cusmano S	25186
Cussans G W	35022
Cussen G	69337
Cussen M E	84712
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Custer J H	83814
Custer M A	11750
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Cuthbert F P	4607
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Cuthbertson D P	3099
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Cuthbertson W F J	15469
Cutkomp L K	4822
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Cutler E J B	2187
Cutler H G	9200
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Cutright C R	4682
	81750
	81751
Cutshall A	78011
Cuttack Central Rice Research Institute	34388
Cutter E G	42546
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Cutter V M	1019
Cutting C L	66278
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Cutting C V	35306
Cuturic S	3159
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Cuturilo S	87060
Cuzin J	42547
Cuzzoni M T	56342
Cvasnii D	51951
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Cvetkovic A	62755
Cvetkovic L	73168
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Cvetkovic Lj	28921
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Cvetnic S	27327
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Cvjetanovic V	20209
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Cwilich R	4320
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Cwojdzinski W	89723
Cybulkowa B	93869
Cybulska H	31376
Cykler J F	61633
Cymmerman H	20250
Cypert E	637
Cyprus	14663
Cyprus Statistics and Research Dept	15361
	83576
Cyprus Dept of Water Development	44349
Cyrot J	84023
Cyrus J H	22907
Czabator F J	18941
Czachorowski M	92984
Czaja	30961
Czaja A T	21777
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Czajkowski J M	49658
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Czaplinski B	28260
Czarnecka-Hauska T	88333
Czarnecki E	92676
Czarnecki J	71135
Czarnocki J	36242
Czarnowska K	70280
Czarnowska Z	72713
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Czechowski Z	62089
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Czeczuga B	21174
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Czegledi K	27240
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Czell A	70524
Czer P Z	62188
Czeratzki W	47341
Czernek S	19304
Czernicki B	3438
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Czerniewska M	66419
Czerski Z	83221
Czerwinsky W	39458
Czibor M	47626
Cziharz H	33351
Czirfusz M	65041
Cznarowski M	638
Czok G	40043
Czopka H	53587
Czuba R	70238
Czulak J	6351
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	Item
Czyewska S	41762
Czyhrinciw N	48433
Czyszewska S	35069
Czyszkowska J	31927
Czyzewska S	469
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Czyzewicz Z	25806
Dabadghao P M	17145
al-Dabagh M A	28261
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Dabbous R	13936
Dabholkar A G	34001
Dabholkar M V	41250
Dabin B	35551
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Dabkowski W	83616
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Dabrowska J	26257
Dabrowska-Prot E	82462
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Dabrowski T	20625
Dabrowski W	50024
Daburon F	28827
Dachsel H	88334
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Dackesian S	78508
Da Costa E W B	29137
Dacus A D	981
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Dadabaev A D	68612
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Dadd A H	41939
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Dade H A	41541
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Dadinaki-Roussopoulou D A	37789
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D'Africa G	78242
Daft F S	28160
Daftsios A C	74894
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Daga S	23595
Daga Escribano M	41071
Dagenais J L	83826
Daggett E	2448
Daghetta A	48126
Daghir N J	20150
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el Dahaby H	45839
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Dahiya R S	74692
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Dahle L K	6838
Dahle N A	36946
Dahlgren R	58635
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Dahlgren S E	18602
Dahlkvist A	70525
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Dahmen J J	46111
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Dahne F	39361
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Dairy Cooperative Association	22043
Dairy Council of Richmond	74771
Dairy Engineering Conference	65361
Dairy Industries Exposition	6352
Dairy Industry Committee	93359
Dairyman	13685
Dairymen's Co-operative Sales Association	39305
Dairymen's League Cooperative Association	6264
	30549
Daisomont R G	50293
Daiya L R	77863
Daji J A	70886
Dajoz R	4987
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Dakev T	18942
Dakhkil'gova P F	53969
Dakin J C	22389
Dakin R E	23149
Daklkvist A	70527
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Dakovic B	2034
Dakshindas D G	25513
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Dal' M K	86160
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Dalas M	78588
Dalas V	34389
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Dalberg P M	40286
Dalby D H	68238
Dalderup L M	58396
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Dalev P	34300
Dalgaard-Mikkelsen S	78186
Dalgarno A C	12116
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Dalgat M M	12133
Dalgleish J M	56463
Dalgleish T W	10555
Dalin M V	12052
Dalin V N	27517
Dalisay A M	75280
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Dallari F	83187
Dallas W G	79283
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Dallein A F	76825
Dallimore C E	50528
Dalling Sir T	36243
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Dalmasso G	13627
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Dalrymple J A	81477
Dalrymple-Champneys Sir W	3101
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Dam-Mikkelsen H	56416
Damaceanu C	104
Damagnez J	59835
Damala C J	40044
Dambach W W	2967
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Damiano A-- Cont	89132
Damigella P	78590
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Damjanovic S	62554
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Dammann H J	9572
Dammers J	36169
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Dammin G J	20116
Dammrich K	3652
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Damodaran V K	33705
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Damoiseau R	82246
Damon E G	33608
Damon R A	11406
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Damonte F	36909
D'Amore A	54370
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Damotharaswamy R	74962
Damrich F	23472
Damsteegt V D	24402
Damude D F	71747
Damyanova S	93543
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Dan I R	91816
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Dan V V	59589
Dan-Van-Ngy	12400
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Dancau B	42098
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Dancer G	19463
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Dancik J	44350
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Danckwardt-Lilliestrom C	9163
Dancourt D	69816
Dancu D	91640
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Dandekar S D	93490
Dandekar V M	58056
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Dane B S	79492
Danelius G	28828
Daneo C	49128
Danert S	17268
Danescu A	27365
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Danescu-Popescu G	28262
Danfors L E	17880
Dang W F	75732
Dang-Tumg-Tkho	37566
Dangeard P	32910
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	Item
Dangoumau A	45185
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Daniel E F	85499
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Daniel T W	53259
Daniel W H	43481
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Daniell L T	94174
Danielli J F	12733
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Daniells K J	66107
Danielova V	21175
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Daniels D G H	6761
Daniels F	87593
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Daniels L	72933
Daniels L B	4637
Daniels N E	12457
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Daniels R B	35131
Daniels-Bosman M S M	22324
Danielsen A	9868
Danielsen M E	68613
Danielson L A	2449
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Danielson R E	51409
Danielsson A	27477
Danielsson B	51633
Danielyan D O	1721
Daniil D	9355
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Danilenko I A	55015
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Danilevskii V M	4243
Danilevsky A S	29239
Danilewicz K	86775
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Danilov E P	11289
Danilov I Ya	2373
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Danilova E A	25273
Danilova L V	12114
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Danilova M F--Cont	68240
Danilova M V	76652
Danilova N A	76771
Danilova N S	69111
Danilova T A	18269
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Danil'tsev V A	7252
Danilyuk A A	63899
Danish Foreign Off Journal	74648
Danka L J	64483
Dankanits E	51973
Dankers W H	32274
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Danko T	86628
Dan'ko V I	88537
Dankov P	40892
Dankovtsev A G	85355
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Danner W E	56816
Danneskiold-Samsoe C	71904
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Dansereau P	41252
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Dan'shin T E	59400
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Dansk Skovforening	10521
Danske Mejeriforeningers Faellesorganisation	39228
Kontoret for Mejeristatistik	13882
Udvalget for Mejeristatistik	93261
	93262
Danske Hedeselskab	15488
	23717
Danske Landmandsbank	94280
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Danthanaryana W	73275
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Dantwala M L	49225
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Darby G M	18392
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Darby L A	9813
Darby R E	46923
Darby R T	84024
Darby S P	86761
Darby W J	13494
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Darbyshire J H	62746
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Dardzhonov T	54218
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Darevskaya E M	59358
Dargan K S	18344
Dari E M	40443
Daricheva M A	21374
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Darimbetov U	68570
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Darimont F	76826
Dark S O S	24699
Darkanbaev I B	75281
Darkanbaev T B	68614
Darke B H	36797
Darkhanov V D	1562
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Darkis F R	88790
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Darkulov N	68241
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Darley R A	31433
Darley R D	7123
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D'Armi F A	3984
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Darnell P W	5386
Darrah L B	14540
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Darraspen E	27478
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Darraspen E--Cont	54514
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Darrow R A	43701
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Darrow W H	17332
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Darski J	28263
Dart P J	52619
Darter V W	7758
Darunashvili E N	21963
Daruwalla E H	48192
Darwish A M	81008
Darzniek Yu O	44002
Das A C	33179
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Das V S R	33894
Das-Gupta S N	33895
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Dasgupta J	5562
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Datar D S	2528
Date R A	78421
Date T	77143
Date Growers' Institute	9588
Dateo G P	22672
Datsevich L I	36244
Datsykov V V	38866
Datta D D	59401
Datta K B	50799
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Datta R M	744
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Datta S N	26268
Dattilo M	42717
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Daubenmire R	76827
Daubeny H A	33896
Daubs E H	50025
Daugherty D M	28954
Daujat A	26621
Daulton R A C	50529
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Davan C F	26240
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	Item
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	17426
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Davies A C	48795
Davies A G	2533
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Davies D J G	34491
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Davies R G H	75781
Davies R O	39421
Davies S F M	80805
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Davies S J J F	33062
Davies T	48124
	74056
Davies T G	33430
Davies T H	60512
Davies W	1563
	31929
Davies W E	43231
Davies W M	78539
Davies W N L	88739
Davignon L	33897
Davii K A	43941
Davila Vinueza E	23473
Davin W F	72514
Davis A B	7848
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Davis A C	12458
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Davis D R-- Cont	32137
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Davis G T	75619
Davis H A	44512
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Davis J S	68242
Davis J T	16981
Davis J W	12455
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Davis J W C	45867
Davis K C	70731
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Davis Mrs L L	17427
Davis L R	28497
Davis L S	10837
Davis M B	32618
Davis M M	10496
	10497
Davis M M-- Cont	10498
	35603
Davis N H	746
Davis P H	9700
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Davis R A	10476
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Davis R L	16427
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Davis R R	43276
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Davis S P	6531
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Davis T A	1745
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	17316
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Davis T S	59008
Davis V	27029
Davis V W	66787
Davis W C	58816
Davis W D	66861
Davis W E P	1564
Davis W H	24700
Davis W L	49584
Davis W M	5812
Davison A D	67796
Davison F C	27328
Davison H R	6872
Davison K L	4080
	20340

	Item
Davison M E	54182
Davison S	30865
Davison V E	43704
Davison V L	66144
Davletova L V	54922
	63452
	63453
Davrainville J L	61127
Davson N	41224
Davtyan G S	52646
Davtyan G V	85844
Davy de Virville A	59248
Davydov G A	72602
Davydov N N	36245
Davydov P	56138
Davydov V	21596
	29909
Davydova E D	29225
Davydova L P	72048
Davydova M S	64279
Davydova V N	59613
Daw M E	66741
Dawalkar M P	24848
Dawes C J	16300
Dawkins C W C	80117
Dawkins H C	8653
	18839
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Dawsey L H	28963
	37456
Dawson D A	27658
Dawson D H	19056
Dawson D J	30577
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Dawson E	7656
Dawson E H	6903
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Dawson E Y	215
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Dawson F L M	3079
Dawson G R	7657
Dawson G S	27679
Dawson H	64132
Dawson H G	22793
Dawson J C	64037
Dawson J E	35205
Dawson J H	16566
	34980
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Dawson J R	16567
Dawson J S	91482
Dawson J W	23954
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Dawson L E	57423
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Dawson L H	4662
Dawson M D	44211
	85835
Dawson P S	3904
Dawson R E	62070
Dawson S R F	1389
Dawson T J	81040
Dawson W H M	23340
Dawson W M	11568
Dawydko B	46593
Daxenbichler M E	1334
	66108
Day A C	79600
Day A D	17023
	52737
Day A J	28649
Day B E	9869
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Day B N	11428
	46170
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Day D O	47756
Day E D	35863
Day E J	20151
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Day F T	6014
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Day L M	14983
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Day M W	2673
	2674
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Day P L	83454
Day P R	16423
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Day R	27001
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Day R A	94865
Day R H	13464
Day W R	6054
	13556
	18840
	50676
Dayal R	747
	33898
Dayre J	30166
	93060
Dayton S	67118
Dazey W H	45766
D'Cruz R	24569
De A K	66880
De D N	24551
	33612
De H N	48464
De S K	10024
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Deackoff L P	48047
Deacon L E	91402
Deacon R E	31698
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Deak I	83398
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Deal A S	33029
	33030
	33116
Deal E C	93206
Dealey J S C	29121
Dean A	56365
Dean A R	12681
Dean B E	76936
Dean B T	20438
	46184
	46185
	63555
Dean C E	8928
Dean D J	27844
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Dean D W	39703
Dean G W	14690
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	94366
Dean H A	4683
	12460
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	12540
	29522
Dean H J	33899
Dean H S	4349
Dean J H	65056
Dean J L	868
Dean L A	41254
Dean M P	13171
	13843
	22060
Dean R F A	7945
Dean R W	77040
Dean T	78044
Dean T M	44471
Dean W S	60753
Deane D D	56702
Deanovic Z	41051
Dear R E A	34311
Dearborn C H	52786
Dearborn D	11489
Dearborn P M	89004
Deas D W	3256
Deason T R	41510
Deatherage F E	30108
	48608
Deatherage W L	93681
Deay H O	28977
Deay H O	46324
Deba R	24450
Debaca R C	91755
DeBach P	5332
Debach P	20811
Debano L	1611
Debatisse T	85925
Debazac E F	8660
Debbagh K A	390
Debecker F	62621
De Beer J A	3985
Debefve	65598
Debefve F	39481
Debelyi A S	10716
Deberdt A	28725
De Boer C J	54278
	62334
Debouteville C D	47234
	56019
Debreczeni B	1105
	2296
	2326
	18337
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Debreczeni I	72714
Debreyne J	45385
Debris M M	29344
Debrus O J	31349
Debruyckere M	64988
De Bruyn L P	77908
	88470
Debruyne H	45185
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Debruyne R	36396
Debski K	26418
Debski Z	62059
Debuch H	9249
	42951
Debyle N V	87260
Decamps M	82820
De Carlo J M	54378
Decary R	38021
Deccan Sugar Technologists' Association	40164
Decei I	2610
	2616
	26764
	26787
	79146
Dechambre E	3013
Dechambre R P	28538
Dechant K	77837
Dechary J M	14443
Dechering F J A	23831
Dechev G D	16568
	87595
Dechiara N N	23317
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	76224
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Dechigi M	4477
Decken H V D	49129
Decken H von der	40444
Decken H	40445
Decken J G von der	80489
Decker F N	32571
Decker G	51735
Decker G C	4478
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Decker J P	1021
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Decker P	11233
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Decker R D	33613
Decker R W	55533
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Decker S	34612
Decker W	68618
Decker W L	51034
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Deckers J	89577
Decking J	19639
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Declert C	33181
Decossas K M	6481
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Decou V	38064
De Courcy A V	46326
Decoursey R M	64484
Decoux L	78801
Decowska B	86776
Decowski M	71750
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Dedash V G	91871
Dede R A	68243
Dedeaux J D	36594
Dedek M	6354
Dedera D	2781
Dederer M	3719
Dedie K	36571
	39263
Dediu A	71190
Dedolph R R	14148
	17397
	23689
	48484
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	84323
Deduit Y	29446
Dedyurin M A	27974
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Dee J	42351
el-Deeb A L	28964
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Deeb S S	3967
DeEds F	5997
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Deem P	58144
Deen J	6983
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Deeny M C	39229
Deep I W	391
	67960
Deese D C	50294
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	50296
Deethardt D	49740
Deetjen H	85500
Deev V N	12063
Deeva V P	78643
Defarges J	82023
DeFelice D	56464
Defendi V	3929
Deffontaines J P	41225
Deflandre G	32619
DeFoliart	72586
DeFoliart G R	4456
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DeForest S S	56065
De Fossard R A	24224
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Defosse L	50297
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DeFrance L	32130
DeFries J C	5082
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Defromont C	14453
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Degan A	26419
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Degaugue J	32527
De Geer C	7858
Degelmann R	56850
Degen G	8200
Degen H	72302
Degener O	8201
Degenfeld-Schonburg C Graf Von	76389
Degerbøl M	54473
	54575
Degge D	43708
Degiorgi E	71746
Degiorgi E M	53985

	Item
Degman E S	34962
	52955
	69709
Degois E	72893
Degos	66321
De Graaf J	33900
De Grace G	71045
Degrace R F	10956
DeGraff H	6873
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DeGraw J I	60305
Degroot C	9701
Degroote V	12381
Degtyarev V I	46229
Degtyarev V P	62748
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Degtyareva R D	11942
Degtyareva V I	73814
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Deguchi K	44354
Degueldre-Guillaume M J	77796
De Haas P G	17333
	17334
	22418
De Havilland C	60613
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Dehaye L	37296
	63556
De Hertogh A A	52195
Dehn M von	21274
Dehner O	3103
Dehority B A	3361
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Dehra Dun Forest Research Institute	70942
Deiana S	3104
	5083
	36789
Deibel R H	3140
Deicke R	57567
Deighton F C	67382
Deijs W B	23831
Deijs W B	74896
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el Dein M S N	51561
Deinboll B S	46098
Deines W R	39598
Deinum B	36489
Deion H J	79584
Deis P	74581
Dejmal J	53105
Dejneka J	90758
De Jong D C D	33585
De Jong P	13295
	24264
Dejou J	52647
Deka D	33614
Dekanoidze G I	55396
Dekaprelevich L L	88335
Dekatov N E	44718
Dekay B	49345
Dekester A	70124
Dekhterman B A	57292
Dekhuijzen H M	60306
Dekker A H	25704
Dekker A J	51031
	51032
Dekker J	58960
Dekker K D	85033
Dekker P J J	18440
De Klerk J C	65599
De Klerk W A	30358
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De Kock G	63014
DeKock P C	51010
De Kock W T	42933
De la Burde R	65600
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Delacuvellerie L	77363
Delage B	90603
Delage J	45186
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Delagrange H	83627
Delahaye D	14453
Delaitre C	12058
Delak M	28139
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Delaney J	77530
Delanoue P	28754
Delapp D	26628
Delas A	20663
Delasnerie J	92691
Delattre R	20709
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Delavault R E	47671
Delaveau P	42551
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De la Villa-delmar M	7040
Delaware Forestry Dept	61716
Delaware Poultry Improvement Association	80906
Delay C	77364
DeLay P D	36720
	81255
Delbard G	34595
	43562
	88893
Delbridge G F	10099
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Delbruck M	1283
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Delcambe L	58973
Delchev C	84876
Delchev G	16887
Delchev I	89134
Delchev Kh	79942
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	91756
	93951
De Leon D	12246
	21041
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	62297
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Delepine M	86161
Deleplanque-Liegeois P	20669
Delesalle M	27975
Delestre J	30971
Deleurance E P	73603
Deleurance S	21103
	73603
Delfel N E	384
	385
Delfinado M D	21177
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	64281
Delfino F	28102
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Delforno G	39329
	39704
Delfs-Fritz W	33048
Delft Hout-instituut TNO	11097
Delgado J	51832
Delgado J C	8437
Delgado J N	88144
Delgado Blanco J	45859
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Delhove A	93339
Delibaltov I	78802
Delic I	28585
	63582
	91400
	91401
	91465
Delic S	12115
	37225
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Deligne J	82866
De Lima J A	75149
De Linden A J O	35590
Pavlov D	58579
Delis C	74693
Delizo T C	71191
Delkeskamp	49788
Delkeskamp K	82248
Dell T R	396
Della E W	31350
Della-Bianca L	10656
Della Monica E S	13720
Dellacesta U	3654
Dellberg R A	35552
	89904
Delle G V	86304
Dellere R	58961
Delmas J	42552
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Delmotte D	19994
DeLoach D B	6730
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	83405
DeLong D M	5193
	5208
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	81842
Delong W A	2095
	17953
	52473
Delorme L	39669
	78187
Delost P	72438
	72440
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De Lotto G	21275
	21276
	21277
Delouche J C	77513
	77514
Deloustal J	33377
	87131
Delov B	36874
Delova G A	69269
Delphia J M	3905
Delphinium Society	43482
Deluca L B	48193
Delucchi V	4872
	5287
Delucchi V L	82594
	92149
Delvaux J	35759
Delver P	17956
Delvingt W	8335
Delwart L O	7690
Delwiche C C	52609
Delye G	92543
Delyzer A J	64489
DeMan J M	13721
	83748
Demange J M	21042
Demarcq M C	48752
Demaree K D	57007
Demaret F	41161
Demarez D	91914
Demarly Y	59837
Demars L	32081
	66788
Demartini E	34607
Demaux J	21010
Demay J	64849
	64899
Dembinskaya A F	65601
Dembinski F	89660
	89661
Dembnicki E F	72721
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Demchenko L A	41255
Demchenko P V	3334
	27604
	45675
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Demchenkov P A	53652
Demchinskii F A	75744
D'Emden P H	28830
Demeczky M	31609
Demeilliers A	34326
Demeire P	7344
Demel J	44355
Dement J D	26613
Dement'ev A V	28586
Dement'ev V A	94577
Dement'eva M I	86778
Demerec M	92428
Demeret P	31731
Demers J M	80755
Demeter K J	56748
	83844
Demetriades S D	33901
	33902
Demianowicz Z	31213
Demidenko B H	60407
Demidenko G T	31547
Demidova E K	53911
Demidova N V	3896
Demidova Z A	2841
	2842
	2843
	2844
Demidovskaya L	79662
Demikhov V P	27436
Demin A V	74140
Demina O M	42100
Deming J M	2019
Deming M E	17981
Demint R J	6483
	13920
	48167
De Miranda A	43092
Demiruren A S	37203
Demkin A P	34458
Demkin P P	84431
Demleitner S	19097
Demmon E L	53187
Demol J	43186
Demole E	84860
Demolin G	73815
DeMontis F	33903
Demoranville I E	17672
	34978
	78184
	89282
Demoras J	63731
Demortier G	89662
Demoss J A	88130
	88186
Demoulin G	38567
	82867
Dempsey A H	35284
	44138
	49744
Dempsey E W	11847
Dempsey H A	72531
Dempsey M	66062
Dempsey R W	62130
Dempster C J	84476
Dempster D G	19698
Dempster J P	37960
	37961
Dempster L T	32758
Demski G	54279
Demura Y	77775
Demuryan G S	48323
DeMuth B	81937
DeMuth J	81937
Dem'yanchuk V P	27241
Dem'yanenko M P	38875
Dem'yanenko V	35309
Dem'yanenko V N	31931
Dem'yanov M G	37562
Denaeyer-de-Smet S	50582
Denamur R	80981
Denby L G	52081
Dench F Q	77838
Denchev S	58590
Dencker C H	13103
	13124
	13125
	13150
	13207
	13414
	21527
	47286
	56161
Deneke A	53858
Deneke D	49421
Denenberg V H	28405
Denes F	31732
	85470
Deneux M	14964
Denev D	93852
Denevan W M	59249
Denffer D von	86373
Dengler H W	11075
Denhardt B	36896
Denhardt R M	80606
Denington E M	28302
Denis B	19922
Denis C	29240
Denis E C	13887
Denis J	4914
	21043

Item

Denis J--Cont 55664, 64282, 73552, 82135
Denisen E L 43435
Denisenko I 4036, 26420
Denison F C 43709
Denison I A 94578
Denison L L 48596
Denisov N I 54157
Denisov V 54094, 90819
Denisov V F 62257
Denisova A S 54517
Denisova A Z 24849
Denisova G A 748, 33615
Denisova G I 65780
Deniz E 11764
Denizet 88892
Denizot M 58527
Denker P 38897, 75107
Denko C W 73160
Denks 66789
Denlinger M G 3640
Denman C E 17148, 88568
Denman D R 15125
Denman T E 12558, 60695
Denmark H A 55499, 73569
Denmark Bolig-ministeriet 40305
Denmark Direktoratet for Statsskov-bruget 53188
Denmark Handels-ministeriet 7384
Denmark Landbrugs-ministerium 320
Denmark Produktivitets-udvalget 13334
Denmark Land-brugsraadet 13574
Denmark Landokonomisk Forsøgslabora-torium Afdeling for Pelsdyrforsøg 11799
Denmark Landsudvalget for Demonstration af Svinefodring 4203, 4204
Denmark Lands-udvalget for Fjerkraeavlen 45872, 45873, 54837, 63351
Denmark Statens Byggeforsknings-Institut 38799
Denmark Statens Foderstofkon-trol 30704
Denmark Statens Forsogsvirk-somhed i Plante kultur 15994, 16569, 17024, 17025, 17335, 17428, 17571, 17572, 17573, 17574, 18271, 18272

Item

Denmark Statens Forsogsvirk-somhed i Plante kultur--Cont 18441, 18442, 19383, 69634, 69817, 69925, 70528
Denmark Statens Husdyrbrugs-udvalg Landokonomisk Forsogslabora-torium 36397
Denmark Statens Husholdnings-rad 58315
Denmark Statens Planteavlskontor 34347
Denmark Statens Plante-patologiske Forsøg 15888
Denmark Statens Plantetilsyn 86630
Denmark Statens Smorbedom-melser 13792
Denmark Statistiske Dept 7859, 21911, 39085, 58249, 65257
Denmark Uden-rigsministerium 23151
Denmark Veterinaerdi-rektoratet 45255
Denmark Veteri-naere Sund-hedsrad 45256
Denna D 68724
Dennig H K 53859, 63196, 80253
Denning D G 56020
Denning H L 21883
Dennis C C 48361
Dennis C J 38288, 46993
Dennis E B 4343, 37453, 42057, 55393
Dennis E J 70247
Dennis F G 33616
Dennis H A 22908, 57585, 85966
Dennis N M 55533, 55534
Dennis P O 55535
Dennis R E 17023, 17149, 17699, 32235
Dennis R W G 252, 253, 32958, 41542, 67591
Dennis S L 60754
Dennis S M 28466
Dennison D S 1022
Dennison E B 26652
Dennison R A 65781
Dennler E 84676, 90782
Denovski D 72047

Item

Denoy I 60439
Denson J W 84922
Dent J W 89663
Dent K 48648
Dent R G 4609
Dent R W 23474
Dentice di Accadia F 961
Denton C A 28213, 28214, 46010, 72538, 91429
Denton D A 19464
Denton R E 339, 64598
DeNure C L 74168
DenUyl D 2675, 8656, 44796, 53260
Denyer R 39990
Deo P V 43384, 44308, 59435
Deobald H J 75185
Deonier C E 47484
Deoras P J 47235
De Pass R E 93333
Depelchin A 80674
Depew F M 13495, 65150, 83455
Depew L J 28965
Depledt F 83456
Depner K R 82370, 92003
Depoe C E 67431
Deppe H J 11078, 45122
Deppen M 14965
Deppisch S 94211
Deptner K R 21178
De Puchal M S 65477
Dequin H 76103
Deramond H 5813
Deraz O 16657
Derbeneva N N 92652
Derbentsev F F 48194
Derby H A 74649
Derby R I 22464
Derbyshire 13386
Derbyshire J B 11226, 36572, 37226
Derbyshire J C 8929, 11498
Derco M 22668, 60595, 69281, 87596
Derechin S S 65388
DeRemer E D 8121
Derevenko V V 13230
Derevtsov Yu 62646
Derfoldi A 61813
Dergach A K 81041
Dergachev K V 88336
D'eri D 78335
Derkacev E 78592
Derks W H 36885
Derksen H J C 23831
Derkunskaya M D 8930
Derlogea V 80988
Derman H 44797

Item

Dermelj V 24225
Dermer F 22391
Dermine E 51011, 60935, 69736, 78188
Dermine P 2021
Dero J D J 77308
Deromme C 50950
De Roo H C 10320, 51012
Derouen T M 54095
Derpanopoulos G 53603
Derr H J 10752
Derrick E H 28467
Derscheid L A 25892
Derse P H 36822, 54706, 74404
Derszy D 54756
Derteano U C 76444
Derteano Urru-tia C 49585
De Ruette R 82229
Dervillee E 38595
Dervishi M 45746
Derviz-Sokolova T G 15733, 15734, 87261
Deryabin A 35594
Deryabin D I 18943, 90111
Deryabin V I 55394, 73077, 81697
Derzelle E 54280
Derzsy D 20210, 54670
Des E P 67669
Des Abbayes H 32959
Desai A R 40779
Desai B L 60621
Desai D K 31933, 94368
Desai I D 90900
Desai M B 31934, 94540
Desai M K 67899
Desai M V 42074
Desai N K 21935
Desai R L 13937
Desai R N 11453, 11454, 90873, 90874
Desai R T 11888
Desalbres G 85687
Desana P 93534
Desaunettes J R 18149, 52450
Desbals B 20107
Desbaumes P 56536
Desborough S 8816
Descamps M 12327, 82818, 82819
Descarpentries A 55717
Deschacht W 13849, 65463
Des Champs J 18678
Deschiens R 63815, 64072
Deschreider A R 31104, 48512, 65862

Item

Descimon H 21375
Descoings B 23955
Descours J 82024
Deselaers N 48129
Deselm H R 50579
Deseo K V 29241
Deseo V K 20710
De Serres F J 33904
Deserti L 83457
Deshmukh A D 34264, 39635, 39636
Deshmukh J N 24569
Deshmukh N Y 68430
Deshpande B D 59402
Deshpande K B 18006, 18018, 24226, 42952
Deshpande K J 40194
Deshpande P K 59403
Deshpande V R 3986
Deshpande W M 9250
Deshusses J 56535, 56536, 56961
Desikachar H S 16921
Desikachar H S R 6823, 39741, 84474
Desikachary T V 67558
De Silva L B 16901
De Simon M 79999
Desjardins C 80034
Desjardins P R 50478, 77225
Desjonquieres Y 85909
Deskur S 72405
Desliens L 45257, 79778
Desliens R 79778
Desmarteau R 20812
Desmet P 74964
Desmoulins G 26407
Desmoulins M 72858
Desole L 23911
Desowitz R S 81478
Despain D 93055
Desplanques L 48343
Despois J 66824, 85818
Desportes C 20670
Despres P 27723, 45580
Desprets P 22226
Desroches R 31512, 60514
Desrosiers R 8574
Desroziers C 22593
Dessaigne S 82835
Dessart P 12328, 64413, 73668
Dessev G 30652
Dessouky F I 19807
Destruel C 4677
De Swardt G H 20834
Desyatnikov B 91129
Desyatnikov B L 36733
Deszyck E J 35402, 61439
De Terra N 8717
Deters M E 53261
Dethier V G 19617, 21179
Detinova T S 64470

	Item
Detkens S	80254
	81256
	90944
De Torok D	8931
DeTray D E	20489
	63669
Detre I	29961
	83089
	83129
	91793
Detroux L	1921
	17674
	25893
	60962
	60966
Dettbarn W D	77776
Dettmer F	32356
Detweiler D K	3691
	54518
	72303
Detzel W	66376
Deuel H	17959
	30948
	52474
	52495
	57173
	70277
Deulin R	22355
Deullin R	39670
	39721
	48362
	84243
Deulofeu V	39119
Deuteff S	27831
Deutsch D B	1329
	89273
Deutsche Akademie der Landwirtschaftswissenschaften	18781
	32172
	79189
	94841
Forschungsstelle fur Tierhaltung	81189
Deutsche Akademie der Wissenschaften Institut fur Dokumentation	71621
	79779
Deutsche Akademie für Staats- und Rechtswissenschaft Walter Ulbricht Prorektorat für Forschung	66790
	85501
Deutsche Botanische Gesellschaft	8122
Deutsche	32592
Forschungsgemeinschaft	56417
	56418
Deutsche Landwirtschafts-Gesellschaft Frankfurt am Main Marktabteilung	7860
Deutsche Veterinarmedizinische Gesellschaft	11234
Deutsche Zoologische Gesellschaft	12315
Deutscher Doggen-Club	62997
Deutscher Fleischer-Verband	84555
Deutschman A J	11889
Deutschmann F	17429
	24570
	75685
Devall W B	50026
DeVaney M A	7948
De Vasconcelos C T	75149
DeVault R L	62801
Devay J E	392
	16038
	24227
Devay M	77515
	77777
Develey R	83628
Devenarayana S	31548
Deverall B J	8438
	8439
Devereux R E	76333
Devergne J C	59134
Devernay J	74965
Deveza M C	77937
	94281
Deveze M	79055
Devi K J S	37681
Devi Mrs P K	84432
Devide Z	16301
	77794
Deville	63544
Devillers P	14594
	22834
	22835
	57513
	66220
Devine E S	39722
Devine J	10931
	10932
	44959
	62071
Devirts A L	86349
Devitskii S M	17150
Devlin J J	6754
	14225
Devochkin F A	69461
Devoe R D	55665
Devois J C	53106
DeVol C E	32875
DeVolt H M	3960
De Volt H M	63277
	72658
Devon Cattle Breeders' Society	80022
De Vor P F	89096
Devos A	27742
	53478
	63105
De Vos F	69818
Devos P	21884
	56749
De Vos W H	62626
Devotta A D	88468
Devred R	44079
	49944
Devred R F E	77308
Devreux A	39135
Devriendt K L	74858
	93340
De Vries J	10901
	52392
	53509
De Vries J E	65068
Devuyst A	5785
	11160
Devyatkin A I	41190
	62647
Devyatov A S	15142
Devyatov A S-- Cont	18150
	87597
Devyatova V I	73186
De Waal C T	47875
	74583
De Waal H L	42942
Dewald C L	1023
Dewan M L	17957
Dewar W A	22132
Dewas A	83629
Dewberry E B	14644
Dewerth A F	9988
	17430
	52019
Dewes H F	36398
De Wet C G	36457
De Wet J M J	16295
	41368
	41454
	42193
	42199
	58629
	58637
	59388
	88562
De Wet J P	33049
De Wet P J	62349
Dewey A	31629
Dewey A W	66279
Dewey D H	75186
Dewey D L	24589
	87694
Dewey D R	24701
	25427
	33617
	43229
	87598
Dewey L J	7304
Dewey O R	34979
	59838
Dewey W G	393
Dewez W J	23152
Dewhirst L W	11869
Dewinter J	28553
De Wit J P	23655
Dewitt J B	4344
	4345
DeWitt J L	51013
De Witt N	32173
De Wolf J	71511
DeWolfe T A	14162
	15912
	58995
	78972
De Worms Baron	64336
	64599
De Worms C G M	5389
	5390
	12996
	38453
	41162
	55937
	64600
	64601
	82694
Dexter K	40655
Dexter L	48195
Dexter R W	38568
	41094
	41608
Dexter S T	1295
	11823
	56204
Dexter Cattle Society	54096
Dey S P	91307
Deyell J	75372
Deyhimi R	7931
Deyhimi S	7931
Deyl M	76829
Deyl Z	39929
Deylius P J	68619
Deyoe C W	45990
	72507
	91402
Deysson G	42553
	51014
Dezaly F	29788
De Zeeuw C	62224
	71603
Dezeeuw D J	543
	558
	8427
	50328
Dezfulian A	28945
Dezso Gy	52738
Dezso Mrs I	35307
Dhadial R K	64357
Dhakre J S	16302
Dhalla N S	1335
Dhamle S P	81138
Dhanaraj L	25311
Dhanda M R	79780
Dhande G W	8623
Dhar D M	61563
Dhar M M	16922
Dhar N R	44169
	52475
Dhargalkar M D	32469
Dharmaraju E	28755
	82886
Dhawan C L	35473
Dhawan N L	77903
	88439
Dhein A	68620
Dhennin L	11650
	11848
	19465
	20626
	36662
	36663
	54441
	62485
	80392
Dhien R	59250
	86523
Dhillon P S	71192
	85424
Dhillon T S	42200
	50849
	87406
	87407
Dhimole O P	26214
Dhingra D R	14492
	75567
Dhir R D	2403
Dholakia S C	61653
Dhondyal S P	43057
	94369
D'Hoore J L	18153
Diab K A	33448
Diaconescu A	27412
	90682
	91320
Diaconescu V	45067
	53639
	56851
	67309
	67369
Diaconu M	90604
	90993
Diakonoff A	5391
	23785
	32528
	73816
Diakonu P	24571
	50677
	50777
	87599
Diakonu P I	16570
	68244
	68621
Diallo B	73152
Diamantis W	73817
Diamond L S	55068
Diamond M J	14444
Diamond W T	13888
Dianov V	18395
Dias F	88131
Dias F F	26098
Dias J	20684
Dias L	90820
Dias L B	53885
Dias M B G	50298
Dias R A	13938
	30264
	40967
	78244
	83515
Diaz A E	56419
Diaz J	8603
	46383
Diaz Ambrona D	26421
Diaz B E	17075
Diaz-Celayeta F	42554
	59839
Diaz Collazo A	82362
Diaz del Pino A	77864
	77865
	77866
	77938
Diaz E N L de	32911
Diaz Moreno J	8440
	24228
Diaz Najera A	5084
	21180
	21266
Diaz O H	54117
Diaz-Ungria C	5594
Diaz Ungria J	94278
Diaz Vazquez A	55319
Dibbern H	93396
Dibble D L	10819
Dibble G D	3439
Dibble J E	28966
	38744
	67715
DiBlasi F P	23845
Dibner E E	64927
	74178
	74185
Dibner V D	8202
Dicander G	32357
Dick E A	50143
Dick J	77266
	90185
Dick J B	51708
Dick J G	64133
	73417
Dick M W	639
	8289
	59251
Dick R H	93207
Dickason E A	12461
Dicke F F	37643
Dickel G H	54671
Dickens D	5952
Dickens J W	7036
	57336
	84784

	Item
Dickens J W--Cont	84785
Dickens L E	59094
Dickens R L	13531
Dickens R S	22620
Dicker F H	22630
Dicker G H L	4684
	73279
	73280
	73281
Dickerson G	19357
Dickerson G E	36963
	46061
	91359
Dickerson L	22984
Dickerson L A	49334
Dickerson L B	7572
Dickerson O J	16164
Dickerson R	6762
Dickey D D	17881
Dickey E F	22558
Dickey H C	54149
Dickey H G	60936
Dickey H P	18151
Dickey R D	59840
	60755
	66280
Dickey R S	8560
	53064
Dickie F	70943
Dickie M A M	14842
Dickie M M	20102
Dickins D	56852
	74757
	74758
	74759
Dickinson A B	81257
Dickinson A G	72121
	91680
Dickinson A M	3942
Dickinson C L	82937
Dickinson D	6689
	84324
Dickinson F L	83168
Dickinson H R	49387
Dickinson J	57021
Dickinson J L	84325
Dickinson T A	1672
	20813
	43381
	68059
	75054
Dickinson W E	35912
Dicks M W	28264
	67131
Dickscheit R	13426
Dickson A D	8932
Dickson C G C	29657
Dickson D A	77309
Dickson I A	45511
Dickson J D	50260
Dickson J G	804
	25428
	50844
	67310
Dickson M	17621
	17622
	17623
	17624
Dickson R C	82519
Dickson R E	18944
Dickson R S	7419
Diculesco I	37027
Didario A	52196
Didenko M	89135
Didenko V	1847
Didier B	87600
Didier E	72640
Didus' V I	76710
Die J van	25196
	68622
Dieckert J W	75523
Dieckmann K	51588
Dieckmann L	38087
Di Edwardo A A	33431
	59214
Diego A I de	19466
Diehl E	29242
	92582
Diehl H C	39034
Diehl K H	28468
Diehl O	50299
Diehl R	8876
	89664
Diekmann A	11681
	91844
Diem A	49357
Diem C	21169
Diemair W	56537
	74584
	75095
	84193
	93032
Diemer R	24850
Dieminger V	83717
Diemunsch J	84010
Dienemann O	91225
Diener H O	75379
Diener R	19995
	36790
Diener T O	50479
Diener U L	41609
	50257
	58962
	58963
Diepman A J	6237
Diercks R	33182
Diercks T	64928
Dierichx J	81467
Dierickx J	12381
Dierkes H	27518
Dierks R E	80806
Diers L	42201
Diesel A M	36227
	45258
Diesel W	47342
Diesem C D	3176
Diesslin H G	7718
	14977
	31713
	31714
	57662
	57674
Dieten S W J van	3298
Dieter C E	78974
Dieterich V	18671
Dieterman L J	16571
Dietl H	22836
Dietrich	45479
	55016
Dietrich G	45187
	71876
Dietrich J	16404
Dietrich K	62964
Dietrich K R	57514
Dietrich L E	45747
Dietrichs H H	11108
Dietrichson J	35786
Dietsch R	14973
	65555
Dietz D C	6122
Dietz G	20047
	54597
Dietz G J	66156
Dietz O	3440
	11569
	36897
	91130
Dietz W P	44080
Dietze C von	49130
	75989
	85356
	85502
Dietze W	94466
Dietzmann	82919
Dietzmann U	36898
	72304
Diez Altares C	42555
Diez Canseco B O	66791
Diez de Bethencourt C	39175
Diez Gomez P	12202
Diffidenti P	14232
	40810
Diffor J W	7773
	7774
Difford W E	27098
	27099
Diggins R V	80490
Digiesi D	71046
Digma F	82492
Dijk D C van	2188
Dijk F G van	52082
Dijk P J S van	321
	544
	4712
	4713
Dijk R van	74737
	83784
	83785
	93320
Dijk W J O M van	4480
	20677
Dijkshoorn W	51015
	68623
	68624
	88706
Dijkstra A	16572
Dijkstra G	5392
	55938
	55939
	55940
Dijkstra H	32036
	40656
	40657
	40658
	56242
	85667
Dijkstra N D	36169
	37191
Dijkstra N D--Cont	47436
	48130
Dijkstra R G	3441
	63454
Dik E P	18945
Dikasova E T	20569
Dikel'son E O	61783
Dikii S	89665
Dikii S P	89666
Dikis M Ya	93104
Dikov G I	63455
	72838
	81042
Dikov I	86631
	92150
Dikov V	27208
	46079
	90812
Dikshit N N	1024
Dikshit S	73733
Dilanyan Z Kh	45480
	83749
Dilatush T	78019
Dil'bazi G	72406
Dilkes S L	45581
Dill C W	83925
Dill H W	94579
Dill N H	35855
Dill P	52083
Dillard G E	32714
	32912
Dillemann G	1991
Dillen S	19282
	36039
Diller J D	2845
	15995
	44797
Diller O D	34735
Dilley D R	8933
Dillion J C	53107
Dillistin W H	81479
Dillistone F	75055
Dillon E S	38088
Dillon F C	17317
Dillon J H	57241
	84632
Dillon J L	58008
Dillon L S	38088
	50678
	82249
Dillworth S	20377
Dilmen S	11570
	45481
Dilmy A	23956
Dilov C	24851
Dilov Kh	33969
	87643
Dilworth B C	91398
	91399
Dilworth M J	35184
Dilz K	59841
	89667
Dima G	90848
Dima M	75733
DiMaio L R	31133
Dimic J	90605
Dimick P S	93296
Dimitrescu M	42488
Dimitrijevic B	53860
Dimitrijevic B B	63045
Dimitrijevic L	80335
Dimitrijevic V	80023
Dimitroff J M	6005
	93054
Dimitropoulos E	36399
Dimitrov A	73232
Dimitrov G	89136
	89834
Dimitrov G M	7477
	10446
	85357
Dimitrov I	25501
	73418
Dimitrov I I	81938
Dimitrov N	90727
Dimitrov S	71751
	86332
Dimitrov Ts	89668
	89669
Dimitrova E	68625
Dimitrova N	93122
Dimitrova N A	2128
	2129
Dimler R J	6759
	6846
	6853
	39796
	93704
Dimmick R S	71017
Dimmock F	1462
Dimock A W	50319
Dimock E J	79512
Dimond A E	24123
	50300
	58964
Dimond J B	81875
Dimopoullos G T	19808
	62722
	80255
Dimotaki-Kourakou V	83630
	83631
Dimov I	90755
Dimov K	75282
Dimov N	39362
	48048
Dinaburgskii I M	93005
Dinamarca M L	37529
Dinca D	89670
Dince R R	65556
	75621
	75622
	85611
Dincer D	18514
Dinchev D	68626
	89535
	89536
Dincu I	2271
Dinculescu P	28469
	28523
	36256
	91483

	Item
Dinescu T	75734
Dinesen V A	30448
Dinesman L G	61676
Dinger W	14094
	22370
	57004
Dingle A N	28288
Dingle R D H	92495
Dingley J M	24229
Dingley J R	36003
Dings M J	54838
	54839
Dingwall I G P	43352
Dini D	31663
	38107
	51911
	66520
	85358
Dinnage D F	84326
Dinnik J A	11235
	72122
Dinnik N N	11235
	72122
Dinning J S	59917
Dinnison A D	89671
Dinoor A	77310
Dinsley M	38172
Dinter Z	19809
	27704
	80304
Dinu F	90848
Dinu M	10746
Dinusson W E	4088
	19699
	19700
	37318
Dinwoodie J M	19335
	79612
Diofasi L	69007
Diomaiuto-Bonnand J	59404
Diomidova N A	63394
Dion H G	2223
Dion W M	8718
Dionne J L	44186
Dionne P	80501
Dios C A de	83040
Diot J	87908
Diplock A T	63235
Diplock P T	90999
Directo A	62297
Directo A C	91190
Dirimanov M	63984
	63985
	92075
	92151
	92152
Dirks C O	12682
Dirks D	23540
	23541
Dirksen G	19810
	36573
	54281
	72123
	80256
Dirlbek J	29349
Dirmeyer R D	78803
Dirmhirn I	21012
Dirschauer G	28587
Dirschwigl H	35474
	78804
Dirsh V M	13055
	29753
	29777
	73863
	82821
Dirt L M	60303
Dirven J G P	1025
	37629
	42556
	57907
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	71977
Dischka Gy	39482
Diseker E G	2492
	53029
Diser G M	58349
Diskalkar P D	15075
Diskus A	16303
	33154
Dismukes C W	26830
Dispons P	73734
Dissamarn R	63625
	63626
	63816
Dissanaike A S	46133
	63015
Dissanayake A B	24230
Dissanayake K	27381
Dissescu G	29658
	37802
	73384
Dissescu R	10649
	26764
	26770
	26787
Dissing H	24081
Distillers Feed Conference	74898
Ditchfield J	3655
	27976
	27990
	63016
	91193
Ditman L P	4652
	12472
	15889
	81633
Dittmar H F K	6144
Dittmar J	90844
Dittmar O	10717
	18736
	61777
	61814
Ditmer W P	70027
Dittrich E	40788
	40789
	49430
	76369
Dittrich M	94945
Dittrich W	87601
Ditu I	67797
Ditzel P	8075
Divakaran K	9356
	21601
Divekar C B	9517
	24852
Divekar M V	34552
Divelbiss J E	46924
Dively J H	79010
Diven R H	62333
	62357
	63456
Divis J	26422
	61504
	70732
Divljanovic K D	14406
Diwadkar A B	79601
Dixey F	18443
Dixie J A	6484
	30767
Dixit L A	10113
	35246
Dixit S N	68245
Dixmeras J	50171
Dixon A	72124
Dixon C	14846
Dixon E B	64414
Dixon G E	77867
Dixon J	3259
	36400
Dixon J B	45748
	63017
Dixon J C	12631
	37803
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Dixon J M	31434
Dixon L V	57275
Dixon M J	35856
Dixon N F	13821
Dixon P A	8934
Dixon P F	42723
Dixon P R	6172
Dixon P S	32913
	32914
Dixon R M	2420
Dixon R O D	16573
Dixon T	85184
Diyarov K	85359
Djaenoedin R	62358
Djafar M I	63457
Djakov L	54333
Djalal A S	46673
Djanbakhsh B	29449
Djazirei M H	8657
Djerassi C	1364
Djezirei M H	16202
Djordevic N	54672
Djurdjevic D	54550
	54676
	54669
Djurtoft R	57141
Dlabola J	29523
	38289
	38290
	38291
	46994
	46995
	46996
	55850
	64485
	73735
Dlugosz J	22192
Dluzewska A	30501
Dluzewski M	30634
	30940
Dluzniewski Z	74273
Dmitrenko V P	42557
Dmitriev A	88539
Dmitriev A S	79284
Dmitriev I P	90087
Dmitriev N L	58580
Dmitrieva A A	68362
Dmitrieva G A	59405
Dmitrieva L V	69528
Dmitrieva M I	68627
Dmitrieva N N	8907
Dmitrieva T A	16574
Dmitrieva Z A	43600
Dmitrievskii N V	53007
Dmitrochenko A P	53771
	54158
	54159
	63131
	63132
Dmitruk A P	42669
Dmochowski L	3906
Dmytriyev H V	73324
Do-Kin-Tung	12400
Doak B W	25705
Doak J B	45749
Doak K D	8319
	8437
Doan F J	56750
Doane B B	20341
Doane C	5220
Doane C C	64073
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	81876
Doane D H	76757
Doane J F	12803
	46925
	55395
Doane W W	5085
	38173
Doane Agricultural Serv	66629
Dobai A	55069
Dobbelaere R de	65782
Dobben W H van	68628
Dobberstein J	71752
Dobberstein J C A	27329
Dobbins C E	40968
	57220
	65963
Dobbs P J	6874
	60515
Dobereiner J	44003
	61193
Doberenz A R	72508
Dobes M	57293
Dobhal T N	4763
Dobias A	88540
Dobie J	27002
Dobie J B	11496
	21642
	56193
Dobie N D	33183
Dobkina E I	86349
Dobos K	7368
	62258
Dobos T	26864
	26962
	53369
Doboszynski L	88541
Dobrescu C	104
Dobreva-Vulchanova I	53772
	62329
Dobrin L G	89905
Dobrinov I	35787
Dobritskaya Yu I	52476
Dobrochayeva D M	67432
Dobrokhotov V N	59406
Dobrokhotova K V	50580
Dobrolyubskii O K	16575
	69182
	87602
Dobronravov F N	66252
Dobroruka L J	82136
Dobroshtan P	66221
Dobroslavek V	82938
Dobrotvorskaya A V	59351
	59407
	68211
	68246
Dobrotvorskaya K M	61128
Dobrotvortseva A V	8935
	13889
	43328
	88740
Dobrotworsky N V	46976
Dobrov A A	28554
Dobrovoda K	83043
Dobrovol'skii B V	64234
	73195
Dobrovol'skii D L	45051
Dobrovol'skii G V	15538
	18241
Dobrovol'skii V V	70248
Dobrozrakova T L	86614
Dobrunov L G	87603
Dobrushin Ya V	46634
Dobrynin G M	24853
	59408
Dobrynin Yu	83304
	93020
Dobrynin Yu A	7037
Dobrynina A Ya	45961
Dobrzanski B	17927
	17958
	35227
	52399
	70183
	70417
	70848
Dobrzanski J	64542
Dobrzanski W T	62424
Dobson D C	20145
Dobson J W	38718
Dobson M J	72871
Dobson P A	56933
Dobson P O	44617

	Item
Dobson R C	37530
Dobson S	55008
Doby J M	46926
	63732
Dobzhansky T	29426
	38174
	38175
	46927
	64468
	82362
	82371
Docekal J	93448
Dochinger L S	50301
Dockter K W	33184
Dodbiba A	45746
Dodbiba F	51752
Dodd F H	83019
Dodd J D	50112
Dodd M R	50960
Dodds K S	24702
	68431
Dodds M E	81043
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Dodds M L	22419
Dodge H R	29427
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Dodge J C	69709
Dodge M	69529
Dodge P J	7821
	66996
Dodge W A	54282
Dodge W E	26936
Dodge & Olcott	21946
Dodgson G	85277
Dodi R	30768
	32358
	32359
Dodolina V T	2099
	10127
	18103
	70283
Dodonkina L	26314
Dodonova N N	19476
Dodonova N Ya	59842
Dodov D N	9357
Dodson C H	4346
	67433
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	86437
Dodson E O	16496
Dodson J C	67042
Dodson J W	58721
Dodson M R	62750
Dodson O	12873
Dodsworth T L	19701
	71992
	72050
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	80119
	81002
Dodyleva S	69958
Doe J R	40339
Doede C M	7180
Doeglas D J	18152
Doehner	93491
Doehner H	4037
Doepel R E	86779
Doepel R F	15996
	16104
	41764
	41765
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	86780
Doering G W	12499
Doerr A H	40447
	43353
Doerr E H	69887
Doerr R	74454
Doersch R E	61407
Doery A C	27242
Doesburg H H van	1722
	1723
Doesburg J J	6702
	48341
Doesburg J van	394
	1026
	1758
	1759
	1760
	1761
	1762
	1763
	1764
	1765
	1766
	1767
	1768
	1769
	1770
	1771
	1772
	7317
	9702
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Doesburg P H van	24124
Doetsch R N	3590
	53813
Doevenspeck E	39423
Doffiné H	71559
Dogadkin V A	48873
Doganovskii M G	5689
Doguchi M	65863
Doguer M	80257
Doguet G	33905
	86558
Doherty D G	72091
Doherty G	53073
Doherty J C	14843
	66521
	75873
Doherty N W	58360
Dohle W	82137
Dohler J	76104
Dohnal T	41962
	78087
Dohnal Z	24504
Dohotaru V	27406
	27456
	27457
	91119
Dohring E	29076
	37531
	82610
Dohrman E	74114
Dohy J	27533
	27762
	36574
	45424
	54283
	71921
	91151
Doi O	71398
Doi Y	9147
	33618
Doid Y	67434
Doida Y	8719
Doihara I	29958
Doimev G	93870
Dokic A	43093
Dokin B D	92750
Dokmanovic D	94496
Dokova P	24231
Dokuchaev A	31105
Dokuchaev V V	49789
Dokuchaeva E N	25635
	34663
	42454
	51967
Dolan T	59945
Dolbilov M P	38817
Dolby R M	39264
Dolcher T	33711
	59409
Dolder P	30769
Dolejs L	2941
Dolezal B	66063
Dolezal M	31218
Dolezalova M	41984
Dolgilevich M I	61122
Dolgopolov K V	75817
	85360
Dolgov S I	35102
Dolgushev A	71005
Dolgushina N A	62619
Dolidze G M	69242
Dolidze G V	29055
Dolidze I A	51444
Dolinar Z	3496
Doling D A	395
Dolinka B	4347
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	73196
	81644
	92583
Dolinsky M	93033
Doll C C	33906
Doll E C	10189
	68629
Doll E R	20073
	63154
	63155
	63174
	80629
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Doll J M	81480
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Doll J P	13464
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Doll W	65208
Dollahon J C	11408
Dolle H W	8936
Dollfus R P	20670
Dollimore G F	5393
Dolling C H S	20345
Dolling M	47563
Dollinger E J	42352
Dolmanyos I	94541
Dolmatov T S	11943
	11967
Dolmetsch H	90449
Dolnick E H	11808
	36859
	36865
	63104
Dols M J L	13771
Doltl F	90286
Doludenko M P	58561
Dolven A	14083
Dolya V S	78593
Dolyak F	11865
Dolz J M	7861
Dolzman H	7318
	47780
Domac R	15692
Domagala-Lipinska A	64134
Domagk J	11571
Doman I	63627
	90607
Domanska H	34649
	34653
Domanska J	81003
Domanski E	54284
	72445
Domanski R	71137
Domanski S	32960
Dombovari J	24854
Dombrovskii R L	66222
Domercq S	65325
Domergue M	57802
Domermuth C H	37042
	72603
	91484
Domike A L	22465
Domingo B S	1027
Domingo C E	51311
Domingo J P S	22837
Domingo Lujan E	22420
Domingo Mendez R E	34459
Domingues O	80024
Dominguez H de M	61678
Dominguez J A	60307
Dominguez O	78478
Dominguez A P	78976
Dominic C J	36962
Dominican Republic Direccion General de Estadistica y Censos	75494
Dominick B A	49300
	76262
	84148
	84327
Dominick R B	31797
Dominik J	12804
	92226
Dominik M	39483
Dominik T	10067
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	24855
	24856
	24857
	26099
	50573
Dominion Dairy Conference	21993
Dominy F E	2404
	26423
	44356
	52919
Dominy J N	30022
Domizio G di	54285
Domizio G I	80258
Domke E	13384
Domke M	36451
Dommergues P	59843
	77424
Dommergues Y	18069
Dommert R	3656
Domnicz A	70272
Domokos J	67435
Domoto T	60756
Domrow R	21044
	38025
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	82138
Domsch K H	41766
Domsch M	44303
	47490
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Donadoni S	70529
Donahoo A	65864
Donahue R L	2241
	61562
Donald C M	33483
	51744
Donald E A	49660
Donald H P	80259
Donald L G	46134
Donaldson C H	74097
Donaldson D	17675
Donaldson G F	84025
Donaldson J G S	22985
Donaldson L A	77551
Donaldson N H	21526
Donaldson W	36429
Donaldson W E	72509
	91403
	91404
Donath E J	26622
	39884
Donath F	94542
Donath L	38731
Donaubauer E	71138
Donchev G	36123
Donchev I	89491
	89492
Donchev Zh	33484
Donchev Zh B	61054
Donckaster R	46383
Dondale C D	21045
Dondera N	76390
Dondero N	13422
Dondi G	44357
Done J	63496

	Item
Done J T	3480
	55070
	81290
	91889
Doneaud A	51002
	58452
Doneen L D	52920
Donefer E	1594
Donenko M	51745
Doneth J C	31936
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Donetz Z S	92480
Donetzhuber A	36041
Donev I	93900
Doney J M	81004
Dongo D S	41767
Dongo S	77099
Dongo S L	86781
	86782
Donia A R	29350
Donis C	49790
Donita N	42145
Donizio G di	3657
Donk M A	67592
Donker J	21325
Donley D E	21278
Donnah W W	61505
Donnelly E D	1565
	25429
	68432
Donnelly H D	57516
Donnelly T W	5599
	13075
Donner J J	41256
Donoghue J F	40925
	49557
Donoho C W	33907
	87604
	88894
Donohue G	85756
Donoso G	57294
Donov V	35760
Donovan G A	28192
	72604
Donovan K O	61245
Donovan P A	87159
Donovan R	48219
Donselaar J van	8658
Donselaar-Ten Bokkel Huinink W A E van	8659
Dool H van	48753
Doole L E	17836
Doolette J B	9345
Dooley G	34736
Dooling O J	33185
Doolittle S P	24125
	34881
	43656
Doom D	12632
Doonan T	93760
Dooren F J van	11053
Doorenbos J	25534
	40220
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Doorme H	62359
	62555
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	62753
	62965
	62966
	66064
	67132
Doorn A M van	86783
Dor I	32915
Dorado E	57453
Dorairaj M S	77974
Doraiswamy T R	49741
	86071
	86072
Doran D J	20490
	80807
Doran G P	80260
Doran T F	94531
Doran W	77950
Doran W J	9456
Dorcich S	75990
Dord D C van	89285
Dordevic D	70885
Dordevic M	54757
Dordevic M Z	27977
Dordevic V D	44170
Dore A B	6821
Doremus M	67112
Dorer R E	64038
Doreste E	49753
Dorfman R S	73295
Dorfwirth L	49586
Dorgelo J D	7478
Dorier P	83750
Dorigatti R	39780
	89137
Dorigoni G	54606
	80607
	91292
Doriguzzi G	78805
Dorin B	43453
Dorland R M	36042
	53640
Dormaar J F	70331
Dormal R	3442
Dormal S	22325
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	92153
Dorman K W	44798
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Dormer K J	50027
Dormling I	61890
Dormon C	89005
Dorn G L	38176
Dorn P	28265
Dorner K A	47628
Dorner P	15055
	76125
Dorner R W	28831
	28832
	29428
Dornesku A	9414
Dornik O	15056
	85845
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	94371
Dorofeev K A	19467
Dorofeev P I	86305
	86306
Dorofeev V F	24858
	59410
Dorofeev V M	17109
Dorofeeva E V	75205
	75206
	93633
	93635
	93648
Dorokhov P K	66257
Dorokhov R	57803
Dorosh I I	30096
Doroshenko I N	45962
Doroshenko P S	45096
	45097
Doroshev V N	47398
Dorosinskii L M	10068
	52584
Dorough H W	12389
	28833
	28834
Dorovskaya I F	59411
	68630
Dorow N A	23341
	66522
Dorozhin A A	27243
Dorozhkin N A	67798
	86784
	86785
Dorozhkin P P	79437
Dorpel J van den	39035
Dörrie A	74141
Dorrscheidt W	37848
Dorset B C M	22195
	56853
Dorset Down Sheep Breeders' Association	63395
Dorset Horn Sheep Breeders Association	37171
Dorsey C K	81481
	81645
	81893
Dorsey J P	85279
Dorsey W R	6703
Dorsi J	55042
	72940
Dorsman C	1772
	25535
	60622
	69819
Dorsman W	54286
Dorssen C A van	46230
Dorst H J M van	24897
Dortignac E J	2035
Doruchowski W	69926
Dorward K	20576
Dory L	69530
Dos S	39143
Dos Passos C F	64602
	82695
Doshchanov M B	89906
Dosker C B	10978
Dosker C D	35969
Doskocil J	5615
	21376
Dosmukhamedov T Kh	44472
Dospekhov B A	1922
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Doss B D	26246
	52710
	52739
	68631
Doss M A	90735
Doss W	77267
	77285
Dosse G	4915
	12763
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	63986
Dossey W F	93952
Dost H	17864
	94278
Dostal D	35669
Dot P	43562
	89096
Dotta U	45582
Dotterl H	37849
Doty A E	55175
Doty D M	6952
	48670
Doty H O	14454
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Doty J	14233
Doty M S	640
Doty R B	12243
Douart G	94372
Doub A	7293
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Doubinger J	32633
	41257
Doublier J M	92780
Doubt P D	52921
Doucet J	38266
	64471
Doucet V	78579
Doucette C F	46604
Dougall B M	70184
Dougall H W	4205
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Dougan R S	14844
Dougherty D	44358
Dougherty E	20223
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	72675
Dougherty J J	93832
Dougherty L A	9554
Dougherty R E	11076
Dougherty R M	20211
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	36247
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Doughtie R T	75524
Doughty C C	58827
	70028
Doughty J B	11059
Douglas A G	17026
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Douglas C	71538
Douglas C F	33908
Douglas C R	20157
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Douglas D S	17220
Douglas J	1722
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Douglas J E	7205
Douglas J G	76830
Douglas J R	10499
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Douglas L A	18154
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Douglas M B	75187
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Douglas O W	52020
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Douglas S W	3079
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Douglass C D	3907
	75528
Douglass I B	14149
Douglass J E	2042
Doull K M	1028
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	4790
	4791
	81939
Douma W H	49422
Doumany S S	54474
Douna M H	80120
Dourley J	52344
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Doutre J L	92869
Doutt R L	12949
	82519
Douvres F W	55068
	72125
Douwes-Dekker K	85016
Doux G	37029
Dovadola E	80535
Dover A C	49922
Dovgyalo A I	44609
Dovnar-Zapol'skii D P	12329
Dovolilova-Novotna Z	24506
Dovring F	76297
	94282
Dow A I	34390
	34423
	34980
	35310
Dow B K	5809
Dow C	36791
	36938

	Item
Dow C--	54519
Cont	91194
	91195
Dow G F	23475
Dow M G C M	54721
Dowd L R	22078
	93341
Dowden D R	45188
Dowden P B	4752
	12633
	12634
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Dowdles D	69820
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Dowdy A C	50205
Dowdy J L	90821
Dowe T W	90519
Dowell F H	55286
Dowell G	12379
Dowell G C	8324
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	81482
Dowgiallo Z	48726
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Dowker B D	77867
Dowler C C	1960
Dowler W M	59844
Dowling E	78806
Dowling L M	22191
Dowling M A C	4575
Down E T	39136
	65293
Downarzapolski T	91820
Downe A E R	73667
Downen M L	6276
Downes A M	4110
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Downes J A	46739
Downes J D	1714
	1715
	17575
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Downes J G	6485
Downes R G	18209
	18444
	35553
Downes R W	42558
Downes S D	68565
Downey I	39742
Downey J C	21377
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Downey M S	49519
Downey N E	63458
Downey R K	42353
Downey R K--	51814
Cont	70125
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Downie A R	42559
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Downie C	8123
Downing B C	49520
Downing C G E	21528
	21690
Downing D L	31455
Downing D T	31351
Downing F S	20882
Downing G V	75467
Downing R S	46435
Downing W	68317
	81483
Downs D B	61346
Downs P A	93397
Downs R J	8937
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Downs W	75874
Downs W G	52581
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Doxtator C W	81650
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Doyle W P	16768
Doyle W T	68845
Doyle-Davidson A R	10522
Dozet N	93263
Dozorets D P	75469
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Dozortseva R L	42753
	68328
Dozsa L	3443
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Dozza G	54513
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Draber-Monko A	38177
Drabick L C	85819
Drabkin B S	86307
Draca P	80262
Drachovska M	51833
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	73198
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Dracy A E	27641
Dragan I	89626
Dragan P	71560
Dragavtsev A P	25551
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	25643
	34737
Dragavtsev V A	44802
Drager G	45012
Drager H	81258
Drager K	11751
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Draghetti A	24859
Draghici C	27718
Draghici D	34406
	43106
Draghici J	34406
	43106
Dragcev P	89286
Dragomir E	58452
Dragomir N I	2708
	16203
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	90109
Dragucan V	74201
Dragun N F	45807
Dragut G	52127
Draher H L	1649
Drain J J	11537
Drain M	39599
Draisma M	57908
Drake A D	75691
Drake A T	57142
Drake C J	5221
	5222
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Drake-Brockman R M	72010
Drakert W	6953
Drakulic J	79285
Drane N T	93264
Dranitsyna Yu A	22669
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Dransfield M	16576
Drapalik D J	58681
Draper C I	15426
Draper D E	47869
Draper G	23320
Draper G H	37120
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Draud H	32275
Draus F J	42957
Dravnicks G	47565
Drawer K	72605
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Drawert F	60308
Drawert H	8720
	42560
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	87262
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Drayer G W	5864
Drazan J	63628
Drazga F H	39738
	56934
Drazic M	44866
Dreaux P	92637
Dreaver R W	4082
Drebuadze O N	88335
Drechsler C	50125
Drechsler K	92926
Drecun V	91681
Drees	15998
Drees H	33051
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Dreesen J	52197
Dreessen J	22196
Dregier W	36142
Dregne H E	2272
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Drehle L E	4130
Dreibelbis F R	2048
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	35272
Dreibrodt L	48435
Dreiding A S	51470
Dreier A F	9358
	9359
	34392
	70613
	88362
	88425
Dreiling F R	17336
Dreimanis A	70418
Dreissig M	56066
Drejer A A	23557
Dremova V P	55271
Drennan D S H	51016
Dreosti G M	13532
	47688
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Drepper K	3039
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	11236
Dresch J	61600
Dreschsler C	59412
Dresco E	38022
Dresden D	63734
Dress W J	8203
	8204
	8205
	15766
Dresselhaus F	12242
Dresser D W	68104
Dressler J	54820
Dressler R L	105
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Dreux G	45583
Drever H R	25184
Drever J G J	1601
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Drew J V	52645
	78481
Drew W A	4716
Drewnowska W	75735
	75764
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Drewnowski A	72407
Drewry G H	19811
Drewry L A	95967
Drews E	31165
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Drews H E	13126
	14517
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Drews R	19748
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Drews W	13628
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Drezancic I	28717
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Drezgic P	87605
Dricot E	23861
Driel W van	35133
Driessche T V	68633
Drieux H	3105
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	22559
	22577
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	63018
Drift J van der	26094
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Drift J W P T van der	64720
Driggers B F	63987
Driggers J C	31435
	72512
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	75623
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Driggs E H	67043
Drimus R	749
Dring D M	254
Drinkler K	92692
Drinkwater W O	78144
Drion E F	7935
Driscoll R S	59252

	Item
Driskell B N	10186
Driver C	61953
Driver C H	396
	15890
Driver C M	24860
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Driver M	48640
Driver P N	40811
Drizin B	75283
Drobasheva V A	89756
Drobkov A A	8938
Drobnik J	10069
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Drobnikova V	44004
Drobyshev G I	70733
Droc I	83632
Droesch R	22594
Droese H	9981
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Droeven G	89662
Droge G	35998
Drogemeier K H	48597
Drokova I H	68634
Drolsom P N	8469
Dronamraju K R	46727
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Droop M R	16577
	33910
	51017
Drooz A T	12997
	29138
	55942
Dropkin V H	33429
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Drosdoff M	18156
Drosler G	30449
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Drouet F	216
	87212
Drouhet E	45597
Drouhin G	18445
Drouhin N	93911
Drouineau G	86787
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Drouliscos N J	80121
Drover D P	26066
	26067
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Drovers Journal	57315
Drozd A M	39637
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Drozdov L S	58828
Drozdov N A	33911
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Drozdova L P	80439
Drozdova O I	59845
Drozdova T V	52520
Drozdova Z B	65915
Drozdovskii E M	59206
	87108
Drozdowskyj J	32426
Drozdz J	27330
Drozdz J--Cont	28835
	28836
Droze W H	30770
Druce R G	22037
	83802
Drude G	52593
Drudge J H	20629
	54620
Druger M	21181
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Drugobitskaya S P	93692
Druijff A H	35913
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Drummond D W	36087
Drummond O A	77100
Drummond R O	4481
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Drury A N	81044
Drury A R	19917
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Drury E A	32427
Drury W H	55560
Druscovich B	45584
Drusendahl L G	6355
Drushchenko I F	2952
Drushchits V V	41258
Druzhen'kov G	91624
Druzhen'kova E	91624
Druzhinin M K	78282
Druzhinin V N	36094
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Druzianich E	22715
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Dryagalin N N	37030
Dryagin A V	13939
Dryagina I V	59846
	68444
Dryden L P	90608
Dryga A	94405
Dryga A P	85549
Drysdale A D	11553
	52728
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Dryuchenko M M	44799
Drzazga B	31040
Drzewiecka-Roznowicz E	69228
D'Souza B A	15202
	15203
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D'Souza S	31015
Dualde Perez V	54923
Duarte R	24683
Dubach M	36052
Dubach P	17959
Dubach P--Cont	52495
	70277
	74967
Dubaj J	79781
Dubakin N I	90609
Dubas A	24126
Dubash E	48685
Dubash P J	26126
Dubbell R W	6922
Dube S K	22466
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Duben Z	45907
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Dubey H D	44005
Dubey K N	16578
Dubi H	76937
Dubinin N P	8817
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Dubinin P S	19069
Dubinina I M	24861
Dubinskii I A	21705
Dubinskii M	89877
Dubiska Z	91407
Dubiski J	63348
Dubiski S	62770
Dubitskii A M	64721
	64722
Dublin P	43858
	68636
	78240
Dublin Veterinary Dept	3106
Dublyanskaya N F	22671
Dubniak H	67687
Dubnitskii A A	28075
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Dubois B	35578
Dubois C	87836
Dubois J	11776
Dubois M	11237
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Dubois R T	91485
Dubonosov T S	51073
Duboscq F	66322
Dubose W P	73201
Dubost J	43483
Dubouchet J	16854
Dubouclard C	72126
Dubourg J	85018
Dubov A B	79033
Dubov I	31221
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Dubovets A M	75991
Dubovik K V	89928
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Dubovskii G K	55481
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Dubovskii N V	62259
Dubovsky J	68435
Dubovyi S Z	36577
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Dubreuil A	16913
Dubrova P F	14027
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Dubrovin K P	17676
Dubrovin N	83131
Dubrovina M N	972
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Dubrovskaya N A	28967
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Dubrovskii A A	92693
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Dubrovskii V P	43484
Dubslaff H	25270
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Dubuis A	49990
Du Buy H G	50840
Dubyanskaya E A	32634
Duca A	26079
Ducan E N	60486
Ducas P	86109
Ducasse A F	85019
Ducellier G	83295
Ducet G	41259
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Ducet G L	51019
Duchanois F R	12635
DuCharme E P	50531
Duchaufour	52648
Duchaufour P	8660
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Duchevska Kh	69503
Duchevska-Topalova Kh	16902
Duchownikow J	18782
Ducic M	70944
Duck W	14455
Ducker B F T	8269
Ducker H C	77975
	88717
Duckham A N	7759
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Duckworth J	12116
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Duckworth J E	46168
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Duckworth W D	64603
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Ducoff L J	31767
Du Cormier A C	21378
Ducos P	27520
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Duda A	25228
Duda E J	73367
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Dudal R	18157
Dudani A T	28453
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Duddington C L	41543
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Duddington J H	38454
Dudeck A E	17678
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Dudgeon L	15421
Dudic M	79286
Dudic M M	71193
Dudik D	74202
Dudin S Ya	54097
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Dudina V E	74355
Dudka I O	58494
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Dudkin M S	45189
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Dudko Z G	77598
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Dudley C F	48709
Dudley D I	9445
Dudley E	17677
Dudley J W	871
Dudley R H	41260
Dudley R P	22578
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Dudley W A	11994
Dudman W F	65702
Dudnik Z V	66523
Dudsaneh S	4105
Duduk V	72674
Duehrsen C G	60841
Duell	39517
Duell C	28133
Duell R W	1367
	16304
	24572
Duerr W A	2870
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Duewell H	25187
	27144
Dufait R	11752
	27331
Dufay C	55943
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Dufek E J	66110
Duff E M	45819
Duff L G	45819
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Duff P J	64813
Duff R B	61248
Duffee F W	3335
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Duffek J	26424
Duffey E A G	64283

	Item
Duffey M G	2908
Duffield C W A	64604
Duffield J W	29114
	35788
	62154
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Duffield P C	41635
Duffin R B	10357
Duffus J E	8586
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Duffy B J	37550
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Duffy M P	93089
Duffy P J B	79147
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Duflo D	66524
Dufour L	55863
Dufour P S	89413
Dufournet R	34393
	35434
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Dufournet R	65865
Dufrenoy	14847
	94373
Dufrenoy J	14967
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Du Fretay C H	22197
Du Fretay H	32360
Dugain F	35554
Dugan D R	10328
Dugan H P	2379
Dugan L R	22639
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Dugand A	8207
Dugas D J	50681
Dugelay A	79287
Duggan A J	81485
Duggan D E	21779
Duggan J B	25553
Duggan J J	602
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Duggan T	62106
Duggen H	9651
Dugger E	36382
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Dugger W M	16748
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Dugle J R	23912
Duhaut	53861
Duhaut P	54021
Duhaut R	31164
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Duhem	27182
Duich J M	17678
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Duigan S L	77365
Duijn C van	27521
Duin R H A van	49358
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Duitsman W W	71985
Duiven J E	74859
Dujisin K	25247
Dujk A C M van	55720
Dukalski H	94199
Dukati F	83458
Duke B O L	55274
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Duke G B	24469
Duke J A	41371
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Duke W C	44171
	70895
Dukes G H	32635
Dukes H H	11238
	27332
Dukes P D	50302
Duke's Fund SEE Northern Counties Animal Diseases Research Fund	
Dukhanin A A	44172
Dukhanin K S	51892
Dukhovnikov Yu	35697
Dul F	19812
Dul'beeva E F	2054
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Dulepova B I	87160
Dullum N	69737
	70480
Dul'neva I P	57064
Duloy J H	56854
Duloy M	16305
Duloy M D	1029
Dul'skii G	51745
Duluth (Minn) Board of Trade	48513
Duluth (Minn) Duluth Area Vocational Technical School	49318
Dumais A	75686
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Dumanovsky F	46028
	62762
	91443
Dumas N	28852
Dumas T	81843
	82309
Dumbleton L J	37532
	38292
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	73723
Dumee J	40359
Dumenil L	52741
Dumenil L C	18273
	52824
Dumez A	21379
Dumic A	36248
Dumitrache I	51933
Dumitras L	33301
	41878
Dumitrescu A	27326
Dumitrescu F	75875
Dumitrescu G	71139
Dumitrescu M	35949
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Dumitrescu S	30771
Dumitrescu Girbovi S	71399
Dumitriu D	76299
Dumlao R C	9118
Dummerstorf Institut fur Tierzuchtforschung	90901
	91929
Dumnov D I	75917
Dumon A G	63204
Dumont B L	72127
Dumont G	43859
Dumont R	5917
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Dumora A	2766
	86788
Dumova A M	86307
Dumpsor J R	30109
Dumskii V F	46328
Dun R B	4038
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Dunaeva I D	55314
Dunahoo W S	91415
Dunaway D J	942
Dunaway J B	90496
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Dunbar J O	23332
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Dunbar R S	54219
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Duncan O D	57716
Duncan R A	47400
	47401
Duncan S	38934
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Duncan S G	77041
Duncan W G	18603
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Duncanson A A	15362
Duncum W J	31436
Dundas J	34974
Dunford M P	926
Dunford W J	38622
Dungal N	17431
Dungworth D L	37228
Dunham C	14518
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Dunham C E	6173
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Dunican L K	38887
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Dunin-Barkovskii L V	35475
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Dunk W P	25894
Dunkelgod K E	3848
	3849
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Dunkin A C	12204
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Dunlap D V	32580
Dunlap W J	39638
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Dunlop A A	80962
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Dunning R A	4610
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Dunning R L	1318
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Dunschen C A	90152
Dunsmore J D	12117
Dunstan G H	28770
Dunstan R T	17395
Dunstan S R	20544
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Dunsterville G C K	15735
Dunstone E A	48401
Dunthorne G	8124
Duntley J M	14234
Dunton E M	4624
Dunton H L	1413
Dunwoody C B	18878
Dunzel K	91341
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Dupal I	40565
DuPasquier F	90610
Dupenko O A	11431
Duperier R	15832
Duperon R	16580
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Duperrex A	51020
Duplan J M	40566
Duplaquet L	10564
Du Plessis L de W	6163
Du Pont H F	32759
Dupont J	13822
Dupont P	77311
Du Pontavice P	58146

	Item
DuPorte E M	55852
	64235
	82076
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Dupre M	39424
	65625
Du Preez H L H	81957
Du Preez P	1402
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Dupuis C	20670
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Dupuis H	47491
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Duquenois P	69191
	84786
Duquesnoy A	62754
Durak G	77839
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Duran R	57059
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Duran V	2728
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Duran del Campo A	91625
Duran Grande M	87291
Duran Hidalgo L	65179
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Durand D P	37031
Durand J	46728
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Durand J H	17882
Durand M	13056
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Durand S	49916
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Durand Y	8818
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Durandi L	48991
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Duranton H	9251
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	34265
Duranton J	34328
Duranton M	87567
Durasov A M	89493
Durbin C G	48131
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Durbin G J	48912
Durbin R D	8940
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Durdina O D	55452
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Durgeat L A	46437
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	27726
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	77939
During O	24573
Durkee A B	39743
Durkee R S	40909
Durkin J	37632
	37633
Durlakowa I	53862
Durland J	39137
Durland J R	30360
Durmishidze S V	31513
Durnev N	70565
Durney G E	90822
Durnin J V G A	32427
	32428
	32429
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Durno S E	14
Durocher J	14150
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Durr F R E	66825
Dürr H	10556
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Durr H J R	73756
Durr J L	19468
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Durrant S D	49982
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Durrell L W	2130
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Durrenberger R W	41611
Durrwaechter L	76105
Durso D F	36043
Durtschi E	93062
Du Saulsoy G	82939
Dusaussoy G	64605
Du Sautoy P	23379
Duschin I	37728
	55510
Duschin V	51974
	51978
	51991
Dusek J	63144
	91309
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Dusek V	90187
Dushchinskaya A G	60636
Dushechkin G	51589
Dushev A	24947
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	93762
Dushkin I	24322
Dushuk R V	4023
	28632
	37166
Dushutina K K	25644
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Dussdorf R	85249
Dusse B	9414
Dussel L	74585
Dussin L	39601
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Dustan G G	12541
	63988
Dutch New Guinea Dept of the Netherlands Ministry of Home Affairs	58495
Duthie W B	15076
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Duthil J	42562
Duthoit C M	41612
Duthoit C M G	42058
Dutko P	45147
Dutky R C	29771
Dutky S R	4759
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Du Toit F	21734
Du Toit J J	68638
Du Toit J L	35609
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Dutt A K	10187
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Dutt B S M	41469
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Dutta N M	107
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Dutton G G S	2985
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Dutton J V	9253
Duursma G D	17432
Duval E	62287
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Duval L	52462
Duval M	34981
DuVal M K	45259
Duvall V L	25431
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Duvall W C	27567
Duveau-Hagege J	64651
Duvick D N	872
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Duvigneaud P	50582
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Duwel D	19814
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Duxbury R E	3806
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Duyme	30525
Duysens L N M	59847
Dvernikova Z	60863
Dvoracek J	35698
Dvorak J	8941
	26425
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Dvorák M	91002
Dvorak Z	6893
Dvoráková-Hladká J	68640
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Dvorakovskii M S	26865
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Dvoranek L	40014
Dvoretskii M L	35699
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Dvornikov P	69928
Dvornikov P I	10358
Dvornikova L L	61267
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Dvortsova T	23441
Dvoryankin F A	59414
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Dvoskin B Ya	94283
Dvurechenskii K A	62806
Dwarakanath C T	6052
Dweltz N E	84092
Dwidjoseputro D	41544
Dwivedi J N	8125
Dwivedi R S	41572
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Dworecki E	94284
Dwoskin P B	30167
Dwurazna M	24863
Dwurzynski T	54758
Dwyer D D	19702
Dwyer H P	46115
Dwyer J	38979
Dwyer R E P	85361
Dy F	49661
D'yachenko P	56630
D'yachenko V	14151
D'yachkov N	62646
D'yachkov N A	54160
D'yachkov Yu T	50304
Dyadechko N P	12542
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Dyadechko V N	20630
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D'yakonov L P	36577
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D'yakonova K V	87610
D'yakov A B	9114
Dyakov L	11602
D'yakova E V	61350
D'yakova G A	67961
D'yakova M I	68393
Dyal R S	80042
Dyar J J	1030
Dybas H S	28735
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Dyatkova V S	70127
Dybing O	4482
Dyce A L	37152
	73142

	Item
Dyce E J	1979
	6857
	6858
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	12684
Dyce K M	3639
Dyck D	31938
	32109
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Dye E L	92906
Dye M H	59848
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Dye W B	27733
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Dyemkouma A	73152
Dyer A F	78991
Dyer A J	4124
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Dyer A M	58214
Dyer C A	83285
Dyer C D	44753
Dyer D L	51022
Dyer E D A	29351
Dyer I A	3336
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Dyhrenfurth K	78540
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Dykeman W	94626
Dykes P J	43477
Dykhne F	31107
Dyklop V K	6991
Dykova I	73143
Dyksterhuis E J	62969
Dykstra R R	19469
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Dykstra T P	1848
	33053
Dylevskaya I V	24041
Dylis N V	53262
Dyment J N	20944
Dyment R	9870
Dymko E F	72839
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Dynna O	72003
Dyr J	93208
Dyrendahl S	45846
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Dyrenkova M Ya	45879
Dyrpatov N	25271
Dysart R J	21279
Dysart T H	91197
Dyson P J	90332
Dyte C E	21104
	36768
Dyubyuk N E	67142
Dyuval'-Stroev M R	17433
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Dyuzhev G A	69915
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Dyuzhev P K	52706
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Dzekov S	15736
	23957
Dzektser E S	52922
Dzepina B	71296
Dzeventskii G Ya	44359
Dzhabarova Kh	67311
Dzhabrailov M	70531
	70532
Dzhafarov A	83222
Dzhafarov F	25807
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Dzhafarov G M	78821
Dzhafarov N	61017
Dzhafarov N A	87481
Dzhafarov S	72267
Dzhafarov Sh M	12869
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Dzhafarova F S	1031
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Dzhailov Kh	54924
Dzhalagoniya K T	15999
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Dzhalilov K	61816
Dzhalilov Kh	85281
Dzhalilov Kh M	31939
Dzhambazav G	90840
Dzhambazishvili Ya S	12805
	73604
Dzhanashiya A	89414
Dzhanazyan R S	83633
Dzhanikulov F	59018
Dzhanov A	71753
Dzhanpoladyan L M	83633
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Dzhanuzakov A	86789
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Dzhaparidze T G	28409
Dzhemukhadze K M	17838
	39138
Dzheneev S Yu	87611
Dzhiembaev Zh T	67688
Dzhilavyan Kh A	11335
	27727
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Dzhindzhikhadze Z	69420
Dzhorbenandze G	25969
	89415
Dzhulai A P	18446
Dzhumanazarov B	71651
Dzhuraev A	10334
Dzhuraev A D	35039
Dzhuraev S	2405
Dzhurkov D	54175
	72047
Dziaba A	54759
	79785
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	80264
	91514
Dziabaszewski B	86560
Dzieciuchowicz M	63278
Dziedzicka A	82516
Dziewanowski R	10902
Dziewonska M	25806
Dziezyc J	38752
Dzinic M	11515
	27244
	31006
Dzinleski B G	84678
Dziobek K	27200
	71613
Dziurzynski A	82373
Dzoljic D A	19813
	20491
Dzubay M	2406
	26426
	70249
Dzumabaev N	75468
Dzumurov N	28410
Dzurmurov N	12115
Dzusov T Kh	91500
Dzyadevich G S	17973
Dzyadevich I A	26427
Eades B W	71430
Eades D C	29754
	38529
	38549
	38550
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	47226
	73864
Eadie J M	37232
Eads M G	15427
Eads R B	5186
Eagle D J	17960
Eagleman J R	52394
Eakin C T	57410
Eakin R E	88151
Eaks I L	39744
Eales J	56642
Eales L	67108
Eales N B	92322
Ealy R P	10188
Eames A J	24575
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Eames T A	65118
Eapen K J	19640
	45415
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Earhart E F	59088
Earhart R W	322
Earl F A	6395
Earl F L	37357
Earl G F	83496
Earland C	22198
Earle F R	22701
	31532
Earle N W	12821
Earle T	65866
Earley E B	59973
Easley G T	3258
Eason E H	29293
	64284
Eason R L	3444
East D M	85130
East L R	44360
East African Agriculture and Forestry Research Organization	41226
East African Customs and Excise Dept	7862
East African Industrial Research Organi-	74586
East African Institute of Malaria and Vector-Borne Diseases	73144
East African Statistical Dept Kenya Unit	74555
East African Trypanosomiasis Research Organization	20632
East African Virus Research Institute	37533
	63818
East India Cotton Association	84026
East Malling Research Station	69686
East of Scotland College of Agriculture	51747
East Pakistan Agricultural Marketing Directorate	65258
East Pakistan Dept of Agriculture	94125
Easteal P R U	25970
Easterday B C	36249
	63459
	79853
Easterla D A	55632
Easterly D G	39363
	83893
Eastern Caribbean Farm Institute	76391
Eastern Experiment Station Collaborators' Conference on Deciduous Fruits	34635
Eastern Shore Poultry Growers' Exchange	75624
Eastern Wood Pole Conference Syracuse University	71474
Eastland J O	40568
Eastman Kodak Co	32466
Easto P F	31697
Easton A M	12806
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Easton B K	6486
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Easton K L	27978
	28837
Easton N T	5394
Eastop V F	5223
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Eastwood D L	6487
Eastwood R A	65119
Eastwood T	58829
Easwaran K S S	41952
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Eaton E L	1720
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Eaton R C	5842
Eaton R J	8126
Eaves C A	52966
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Ebbesen E	61123
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Ebel B H	55561
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Ebeling F	10530
Ebeling O	91360
Ebeling W	37804
	56942
Ebeltoft D C	60460
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Eberhard K	49074
Eberhard T	3107
Eberhardt L	2968
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Eberhardt M	92870
Eberhardt W	23656
Eberhart B M	1032
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Eberhart S A	909
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Eberle P	42203
Ebersohn J	54162
Eberswalde Institut für Forstwissenschaften	61674
Ebert	17000
Ebert D	49226
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Ebert Mrs E	79786
Ebert E F	27308
	28103
Ebert K	47403
	70533
	76106
Ebetullaev A A	69738
Ebi T	85133
Ebihara T	68642

	Item
Ebin L E	38857
Ebing W	20571
Ebinger J E	50030
	67312
Ebisawa H	48819
Ebling F J	696
	33517
Ebner D	28273
el-Ebrashy M F	17026
Ebringer L	16582
	77518
Ebringerova A	22225
Eby C H	8022
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Echandi E	8441
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Echegut M	82940
Echeverri E S	51746
Echeverry Escobar G	40306
Echols J W	1414
Echols R M	11098
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Eck A	56594
Eck A A van	60410
Eck H V	2273
Eck K	27913
Eckardt F E	59849
Eckart W	14152
Eckaus R S	7345
Eckblad F E	67594
	67595
Eckblad I	23690
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Eckblad I M	67113
Eckell O A	54621
Eckerborn P	47524
Eckerskorn	71754
Eckert A W	2649
Eckert C	22357
	22358
Eckert E	79454
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Eckert J	28472
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Eckert J E	4792
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Eckert K H	79148
Eckert R E	8661
Eckhardt C H	30168
Eckhart G	26773
Eckhoff G	6763
	9360
	51636
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Eckmüllner O	10523
	26989
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Eckroade R J	27979
Eckstein A	34460
Eckstein Z	24206
Ecochard R	24704
	59688
Ecological Society of America	33485
Economic Commission for Latin America Joint Agriculture Div	39139
Ectors F	27742
Ecuador Admin Ejecutiva de la Campana de Defensa del Banano	86634
Eddie B	54795
	81487
Eddie G C	14645
	22933
	94102
Eddins A H	9814
Eddowes M	74098
Edds G T	45845
Eddy G W	20594
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Eddy S	92296
Ede A N	52923
Edel R	27728
Edeler H	31549
Edelman	10108
Edelman C H	18171
	70419
Edelman J	42926
Edel'man N M	64236
Edel'shtein V	43602
	69929
Edel'shtein V I	48291
Edelstein A	63819
Edelstein S M	6488
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Edelstein T	641
	32931
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Eden W G	64028
Edens W J	15363
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Edgar D G	4039
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Edgar L	1283
Edgar R R	44754
Edgar S A	11986
	31437
Edgerton J A	49521
Edgington L V	16764
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Edgley W H R	45483
Edgson F A	71755
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Edigarova N N	26244
Edinburgh School of Agriculture	51747
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Edington C W	82374
Edington E D	76107
Edland T	12599
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Edmondson J	72511
Edmondson J E	27797
Edmondson L F	39363
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Edmondson V W	32032
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Edmund D B	1566
Edmund-Jones G	323
Edmunds C V	83894
Edmunds G F	38555
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Edmunds H	58147
Edmunds J W	37850
Edmundson W C	27003
Edmunson G C	10820
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Edney K L	397
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Edwards B L	63629
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Edwards E D	47539
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Edwards G	40739
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Edwards R W	59253
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Edwards S J	46258
Edwards W C	71360
Edwards W F	39036
Edwards W G H	50668
Edwardson J R	16425
	33187
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Edwin E E	63235
Eeckhaut G	47723
Eekelen M van	32430
Eeles W J	73607
Eelkema R C	3549
Efanov G P	61727
Efendieva V A	72840
Effmann H	16489
Efford I E	82139
Efimov A N	66323
Efimov D N	47343
Efimov H O	92164
Efimov I T	23153
Efimov S P	60411
Efimov V	64763
Efimov V A	45128
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Efimova V	56667
Efremenko K Z	45065
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Efremenko V P	68061
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Efremova N I	83174
Efremova T	8624
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Efremova T G	33432
Efremova T V	52200
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Efroimson V P	50841
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Efstratiadis D	26428
Eftimov B	36401
Egamberdyeva L A	9925
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Egan E P	79025
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Egerer K	48132
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Eggenberger W	70534
Eggenmuller A	56116
Eggenschwyler J	15470
Egger E	15428
Egger K	16904
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Eggert A C	13465
Eggert O	45261
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Eggert R	77519
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Eggerton F V	14005
Eggins H O W	22665
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Eggleton M A	32363
Egglishaw H J	20633
Egiazaryan S	87400
Egidarova N N	43943
Egikyan A A	88337
Egina K Ya	82252
Egiyan R	68643
Egle K H	14342
Egler F E	50583
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Egley G H	34266
Egli G	64137
Egli W	13533
Eglington G	77778
Eglinton G	34267
Eglitis I	3176
Egmond P J D van	62756
Egner H	43944
Egolf D R	50683
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Egolf R R	9703
Egorov A D	13890
Egorov A G	94842
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Egorov L I	35228
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Egorov N N	12636
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	Item
Egorov O	92913
Egorov P	17152
Egorov P E	89018
Egorov V E	70535
Egorov V V	61268
Egorova G	25808
Egorova K V	75205
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Egorova N K	63901
Egorova T I	92871
Egorova V D	37358
Egoshin I	63630
Egoszabal Lopez C	17576
Egri A	70681
Egri L	71682
Eguchi E	55612
Eguchi K	42680
Eguchi M	12717
	20980
Eguchi Y	80682
Egusa Y	2894
Egyed M	28452
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Ehanno B	46997
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Ehara K	24864
Ehara S	12764
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Eheart J F	47644
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Ehlers M	46329
Ehlers M H	3259
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Ehlers P	60370
Ehlers P L	34392
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Ehlers T	55018
Ehlers-Bhodigen S	11946
Ehlert W	23718
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Ehlig C F	59851
Ehman F W	26429
	31016
Ehmann N R	4734
Ehnstrom B	92354
Ehrenberg C E	10718
Ehrenberg L	33764
Ehrenberg M	1034
Ehrencron V K R	1025
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Ehrendorfer F	33620
Ehrendorfer K	8944
Ehrenhardt H	81752
Ehrenpfordt V	43058
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Ehret R	45108
Ehrhardt F	2650
Ehrhardt P	20889
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Ehrlein H	72306
Ehrlein H J	36792
Ehrlich A H	92586
	92587
Ehrlich C	54163
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Ehrlich G	92966
Ehrlich P R	5396
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	92587
Ehrlich S	34982
	80589
Ehrlich von	66792
Ehrlich W A	78482
	78519
Ehrman L	5087
	38178
	55783
	82362
Ehwald E	2037
	59254
Eibl K	72905
	72987
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Eibner R	24406
Eichel H	3852
	80594
Eichenberger E	24865
Eichenberger W	25200
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Eicher C K	31852
	58250
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Eichers T R	30705
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Eichholtz F	65151
Eichhorn E	57222
	84679
Eichhorn H	29932
	83132
Eichhorn N D	32581
Eichhorn O	29525
Eichhorn R L	57761
Eichinger J	31108
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	49360
Eichler C	38728
Eichler F	82701
Eichler H	44960
	53717
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Eichler M L	67383
Eichler W	4483
	37769
Eichner H	18261
Eichwald C	27334
	27446
	36335
Eichwald K	17679
Eick G H	19283
Eickhoff W D	83827
Eickner H W	53564
Eid T	60758
Eidam J E	15315
	32277
	85928
Eide C J	9835
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	86791
Eide R N	62758
	92735
Eide R P	35788
Eidelman M	93297
Eidel'man Yu	44972
Eidel'man Z M	68644
Eidman V R	63693
	66758
Eidmann F	35880
Eidmann H	92354
Eidrigevich E V	62557
	80027
Eidt D C	64608
Eife K	72129
Eifler P T	30110
Eifler R	47543
Eifrig H	22798
	24866
	39807
	42563
Eigelis Yu K	81508
Eiginson E	17028
Eigner E	92544
Eihe E	9361
Eijk J L van	60309
	62023
Eijnatten C L M van	9362
	25312
Eikmeier H	11753
	11754
	27335
	27980
	45751
Eilart J	41261
Eilfort K	76110
Eimanis B V	68003
Einarsson E	58729
Einaudi L	7586
	31940
Einor L O	68645
Einset J	9652
	69788
Einhaus F J	57990
Einset J	33702
Einset O	60637
Einspahr D W	27137
	53370
Eis B	87110
Eis G	3787
	28104
Eisa A M	19902
Eisbacher H	42564
Eisele K	22799
Eiselt M G	2651
Eisen J N	6903
	22029
	57264
Eisenack A	11
	15632
Eisenberg B E	43092
Eisenberg H B	20247
Eisenberg S	56818
Eisendrath E R	49919
Eisenfelder C A	48691
Eisengarten H J	37248
	72513
Eisenhardt N H	65784
Eisenhauer G	89971
Eisenhauer R A	7029
Eisenhut G	10773
Eisenmann E	13077
Eisenmenger E	72307
Eisenreich H	71561
Eisenreich L	13172
	38645
	56752
	56776
	74860
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Eisenstark A	37031
Eisgruber G	84434
Eisgruber L	57920
Eisgruber L M	23331
	49296
	66630
	66718
Eisman L	17577
	25645
Eisner A	31395
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Eisner C	29660
Eisner J	74694
Eisner T	4916
	4983
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	5570
	37988
	46798
Eissa Y M	46056
Eissner G	37033
	71756
Eitel Van E	66400
Eitel V E	85211
Eitelgorge O	92872
Eiyubov R	59852
Eizen I A	17883
Ejercito J M	43382
	60652
Ejlersen H	48049
Ejmocki Z	24206
Ekambaram K V	61506
Ekberg K	22118
Ekdahl W	53465
Ekelund S	93450
	93451
Ekesbo I	11239
Ekholm S	12462
	41614
Ekic S	27522
Ekimova M	27672
Ekka S T	45433
Eklund E M	52085
Eklund G	18737
Eklund M W	7124
Eklund S O	61717
Eklundh M	10524
Ekman J	47985
	93360
Ekman K H	2942
	53665
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Ekman L	36250
	54925
	72820
Ekstam M	6894
Eksteen L L	44175
Ekstrand H	1463
	50305
Ekstrom M	92588
Ektov V A	73028
	73029
El M H	78459
Ela M A	20798
Elagin I N	9363
	9364
	18946
	23774
	31514
	57463
	58361
	60412
	88338
Elagin M N	7578
Elagina V A	68413
Elam C J	3337
	54164
	62759
	63460
Elam G W	20629
Elam L	80491
Elaut L	32637
Elbe H von	36946
Elberg P L	57337
Elbers P F	15
Elberse W T	59234
Elbertzhagen H	51024
Elbl A	29289
El'chaninov V	54098
Elchibegoff I M	2792
Eldad B Z	26430
Eldblom L	44361
Elder C	12304
	80415
Elder C R	66914
Elder E M	4155
Elder H A	55269
Elder J S	45752
Elder W C	25895
	89290
Elder W H	64609
Elderen E van	25272
	64919
Elderkin C	24867
Elderkin F	24867
Eldredge J C	69338
Eldridge A C	31420
	84849
Eldridge E	58251
Eldridge K G	24233
	27055
	71194
Elebesov A	90554
Elecko J	91848
Elefterescu A	27406
	28686
	28687
	37398
	91119
Elefterescu G	28316
Elek P	80411
Elema H M	5747
Elemanov A	15540
	22561
Elemanov A E	45416
Elena I B	43453
Elena U	18784
Elenevskii A G	15737
	15788
	86438
	86439
Elenevskii E P	65674
Elerdashvili N L	55396
Eletskaya L E	88742
	88773
Eletskii A I	74029
Eletti A	48992
Eley C P	30730
Elfving R	12955
Elgabaly M M	51025
Elgindi D M	33446
	33447
Elhai H	28362
Elhatw I A E	4111
	4112
	4113
Elhence D	86720
Elia P	38610
Eliade E	67802

	Item
Eliade G	18070
Eliaeson J H	56703
Elias A L	399
Elias J	57921
Elias L G	41069
Elias R	28968
Elias Castillo F	25333
Eliason C	22839
Eliason D A	55830
Eliason E J	44800
Eliassaf J	61124
Eliasson I	40358
	49053
Eliasson L	16583
	68646
Elin A	14326
Elinzon M	65021
Eliopoulos A	14084
Eliseev I	72981
Eliseev I G	28588
Eliseev K M	83017
Eliseev N N	74140
Eliseev Yu K	54989
Elitropi C	59853
Elizalde M	57518
	85022
Elizalde R M	79289
Elizarov A F	26771
Elizarov Yu A	28838
	73865
Elkabarity A	68218
Elkan G H	18071
	52594
Elkhin A N	36134
Elkins C B	68647
Elle T	78153
Ellefsen O	36044
	36119
Ellem K A O	16122
Ellemann G	54760
Ellena G	35729
	78189
Ellenberg H	24507
	59255
Ellengerger C E	68004
Eller R Z	65294
Ellerbe T F	32278
Ellerker A R	28503
Ellerstrom S	1415
Ellert H	76519
Ellertson F E	19030
	37712
Ellestad G A	60314
Ellett T R	58462
Ellickson J C	66420
Elliker P R	56657
Elling L J	25467
	51748
Ellingboe A H	33765
	68433
Ellingham J B	83478
Ellingsen J K	39639
	74814
Ellington C	60517
Ellington J W	48196
Ellington W C	40910
Elliot A M	68105
Elliot J M	11492
	19703
Elliot R S	23254
Elliott C R	9456
Elliott D	34739
Elliott E S	59773
	67803
Elliott F C	914
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Elliott G B	35882
Elliott G K	3001
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Elliott I L	2189
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Elliott J R	14802
Elliott K C	83112
Elliott K R	81878
Elliott L H	76392
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Elliott M E	263
Elliott N	18448
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Elliott R C	24868
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Elliott R G H	93867
Elliott R P	5932
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Elliott V S	76587
Ellis B	93998
Ellis B S	85507
Ellis C	65829
Ellis C T	30093
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Ellis D S	10719
Ellis E	7760
Ellis E L	62154
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Ellis F E	91409
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Ellis G F	45587
Ellis G H C	12235
Ellis H	94755
Ellis H A	62760
Ellis J H	60371
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Ellis J R	32868
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Ellis L L	72611
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Ellis M J	84727
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Ellis S W	30100
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Ellis W R	61617
Ellison L	44131
Ellison M A	84245
Ellison W	73937
Ellison W L	41380
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Ellmore M F	11572
	27729
Ellsperman L M	44362
Ellsworth P T	85148
Ellwood E L	10936
	62225
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Elmanov S	39912
Elmer H S	12544
Elmer M C	89972
Elmers G	23255
	27245
Elmore C L	43737
Elmore J C	81647
	81648
Elmore K L	17981
Elmore M F	65378
Elmothy A	28471
Eloff D H	90330
Eloff H P	27337
Elpat'evskii D V	71652
Elpat'evskii M P	18881
Elpidina O K	27310
Elpifanov P V	93649
El'piner I Y	23719
Elrefai A	78457
Elrod J C	92940
Elrod J M	25750
Elrod R C	56819
El Salvador Direccion General de Estadistica y Censos	83578
El Salvador Ministerio de Agricultura y Ganaderia	76653
Elsasser T A	55478
Elsberg A K	93621
Elsenkramer K	56382
Elsholz J	35914
Elshorst H H	71342
Elsley F W H	91832
Elsley T H	29881
Elsner F	49791
Elsom H F	65582
Elson J A	70420
Elssmann H	44670
Elst F H van der	33914
Elstrand E	54476
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Elsukov I E	52925
Elsukov M P	24869
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Elting E C	41227
Elton G A H	39808
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Elvehjem C A	32594
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Elvert G	66526
Elvin-Lewis M	34035
Elwell H M	9478
	43711
Elwell W J	85212
Elwood E M	49319
Ely R	62082
Ely R E	94126
Elyseu A P	10855
	61778
Elz K D	66258
Elzakker A H M van	21948
Elze K	73015
Elzenga G	9942
Elzinga R J	29493
Em H	87161
Emaldi G C	83752
Emanuel H	56420
Emanuel' N M	86837
Emanuelsson	36481
Emanuelsson H	80809
Emanuilov I	93090
Emasiri S	62558
Emberger L	58496
Embleton T W	24932
	42565
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Emblik E	39991
Embo P	4244
Embree D G	64610
Embry L B	3338
	11240
	36482
Emby G N	4484
Emch F	6705
	64830
Emchuk E M	63820
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Emde R N	4485
Emden J H van	8094
Emecz T I	42566
	77520
Emek H	40092
Emeleus V M	56711
Emelina N T	27730
Emel'yanenko E	69364
Emel'yanov A	14693
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Emel'yanov A F	73737
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Emel'yanov A S	36173
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Emelyanov B M	54516
Emel'yanov I E	17029
Emel'yanov I I	43945
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Emel'yanov Yu M	51241
Emel'yanova M P	52520
Emens S	23002
Emerick R J	3851
	11240
Emerson A E	82884
Emerson D	67021
Emerson F B	17030
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Emerson F H	361
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Emerson J D	5883
Emerson J L	79787
Emerson K C	5600
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Emerson M E	39485
Emerson O B	21770
Emerson W A	45078
Emery A W	65438
	74138
Emery D	85023
Emery E M	11243
Emery G C	59684
Emery R S	11493
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Emikh T A	59416
Emiliani G	33188
Emilsson B	57061
Eminbeili A	70636
Eminov M M	37212
Emirshakh A	74587
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Emlyn V	61891
Emmans L R	42567
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Emme A M	63735
Emmel L	28756
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Emmel T C	73818
Emmel V M	15631
Emmens C W	63396
Emmerich A	31580
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Emmering H M	75135
	75136
Emmert A B	74968
Emmert E M	88811
Emmert F H	8945
	8946
	51314
	68648
Emmet A M	38456
Emmons C W	255
	52346
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	63145
Emmons D B	6329
	65505
	74861
	83845
Emolkina T F	26866
Emonds W A	1595
Emoto Y	24082
	68106
	77312
	77313
Empey W A	31630
Empire Cotton Growing Corporation	9417
	17110
	17111
	17112
	17113
	17114
	17115
	69462
	69463
	74969
	76938
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Empson D W	46606
Emsley M G	37688
	55474
Emsweller S L	50684
Emtsev V T	35187
	61194
	61195
	70332
Ena V G	17434
	68107
Enachescu G	51027

	Item
Enachescu G--Cont	51294
	52136
	57062
Enan O H	16045
Enari L	78107
Enari T M	22468
	57143
	84433
Encev S	80800
Enchev E	11117
	19351
Enchev S	72597
	91849
	91850
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Enchev T	91850
Enchev Ya	88134
Encke F	34741
Encomienda L	62297
Enda T	16047
Endacott N D	81899
Ende G van den	77521
Ende M van den	19931
Ende J van den	25536
	42568
Endeley E M L	15316
	58215
Endemann W	25527
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Ender F	36862
Ender R	10525
	49792
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Enders J F	3081
Enderud J	43379
Endo A	14057
	14058
	44975
Endo B Y	24456
Endo R M	24127
Endo S	2830
	2893
	92772
Endo T	35271
	35871
Endredy A S de	17962
	18165
Endrejat E	81045
Endres H	48692
Endres J G	22655
Endres W	31017
Endresz-Hajas M	68649
Endrizzi L	58148
	94285
Endrodi J	65181
	75736
Endrodi S	21011
	21106
	21107
	21381
	28969
Endrody-Younga S	29352
Ene M	29140
Enebo L	47867
Enescu V	2745
	10746
	26859
	71195
Enev A	93543
Enfield F D	4174
	12175
	14401
Engberg B	53316
Engberg R C	57676
Enge S	18631
Engebretson T O	58304
Engel	37770
Engel F	8290
Engel F V A	44436
Engel G	15892
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Engel H	52595
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Engel J	31242
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Engel K H	8948
Engel R	34762
Engel R E	17435
	17680
	52203
	78808
Engel R W	20179
	62659
Engelberg F von	30023
	49227
Engelberg N	34289
Engelbert L E	26261
Engelbrecht D J	59135
Engelbrecht L	8949
	42740
	51229
Engeler W	11409
	19639
Engelhard C W	90369
Engelhard G	36402
Engelhard J	27608
	39745
	65210
Engelhardt M	60239
	77522
Engelhardt N T	47249
Engelhardt W	15541
Engelhardt W von	4245
	12254
	62360
Engelhaupt M E	60361
Engelking R F	56523
Engelman G	57269
	57270
Engelmann C	48879
	48880
	54707
	72715
	86256
Engelmann M D	29295
Engelstad O P	10189
	18273
	68629
Engelund A	63190
England C B	35555
England C W	22094
England J C	9499
England M W	54906
England N C	62649
England W J	57949
	76271
Engle H B	51862
	61462
Engle H M	84910
Engle R	38674
Engle R H	61463
Engledow Sir F	69464
Englehorn A J	89738
Engler R A	41986
Englert H K	45781
Englert J F	34742
Englert M E	3653
Englert W	23630
Englert W--Cont	58279
	58280
	76563
Englerth G H	44973
	71361
	71404
	79502
Englicht W	7658
English C G	32341
English H	392
	24227
English L L	73325
English R E	75992
English Guernsey Cattle Society	19641
	62559
	80028
	90823
Engst R	93091
Enhorning G	62725
	72130
Enigk K	19814
	28266
	28472
	36578
	53863
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	72131
Enikeev Kh K	17302
Enikeev S	15542
Enikeeva M G	61234
Enileeva N Kh	63848
Enix J R	22542
Enke H	38737
Enke K H	36651
	54320
Enke S	48993
Enkelmann D	54964
Enkerlin D	55397
Enkina O V	89538
Ennis M T	77523
	89494
	89495
Ennis R D	45262
Ennis W B	43802
	60938
Enns H	42382
Eno C F	18043
	18343
	21641
	52621
Enoch P W	27609
Enold G L	63020
Enomoto Y	51028
Enos H F	4472
	46380
	84071
Enos H L	5848
	21709
Enrick N L	39486
	65602
Enright J B	3533
	13844
	36669
Enrique Perez J	8561
Enslin P R	42933
Ensminger L E	26246
	52739
	61445
Ensminger M E	4298
	19358
	38800
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Ensoll J	7863
Enstipp H J	13335
Enstrom B F	19257
Ente Nazionale Corse al Trotto	11845
	20097
Ente Nazionale delle Sementi Elette	51637
	69339
Ente Nazionale per la Cellulosa e per la Carta	79531
Ente Nazionale Risi	6764
Entel H J	28650
	57268
	84877
Enterprises Agricoles de la Busira au Lomami Societe Anonyme	94375
Entessar F	11319
	72829
Entin I A	5891
Entomological Society of America	4310
	37432
	73078
Committee on Insecticide Reference Standards	37456
Eastern Br	81355
North Central Br	20552
Entomological Society of Manitoba	81356
Entomological Society of Ontario	63701
Entomological Society of Quebec	63702
Entus M A	63557
Entwistle P F	12545
	81753
Enyedi Gy	7479
	31761
Enzell C	19315
	77779
Enzenberg U	33621
Enzensberger W	27168
Enzie F D	4114
	37209
Eoff H J	11890
	91410
	91411
	91412
Eperjessy E	16905
Ephrussi B	87464
Epil'rand-Vasil'ev V L	60684
Epler J L	82374
Epley R H	66040
Epling C	29429
	59417
Epling G P	75647
Epp F	13630
Epperson G R	61038
Epperson T L	31352
Eppig J	34743
Eppley R J	45845
Eppley R W	51029
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Eppright E	23657
Epps J M	42059
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Epps N A	46053
Eppson H	32579
Epron P	13104
Epshtein R B	45052
Epshtein Ya V	27183
	71579
Epstein A H	24457
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Epstein B	36793
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Epstein E	68650
Epstein H T	1384
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Epstein J A	39487
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Epstein T S	30169
Eraslan I	90089
Erasmus E de V	91198
Erasmus F	79664
Erasmus J E	45874
Erasmus L S	46163
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Erb R E	3259
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Erbe L	58638
Erbin E	54051
Erby W A	62204
Ercegovac D	27338
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Ercegovic A	16204
Ercolani G L	50172
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Erdei E	72729
Erdei F	7480
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Erdei P	25313
Erdei Mrs S	89561
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Erdman I	83510
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Erdos L	43895
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Eremeev I D	47404
Eremeev M N	37153
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Eremeeva V I	23118
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Eremina V	75450
Erenga J	32037
	32038
Eres A	49287
Ergan M	17153

Erge D 60317
Ergle D R 8950
Erhan E 46733, 55784
Erhart G 65362
Erhvervsraadet for Gartneri og Frugtavl 58252
Ericksen W S 79516
Erickson A E 51030, 52396, 80866
Erickson B H 19815
Erickson D B 6489, 65603
Erickson D E 7534, 7659, 7660
Erickson D O 19699, 19700
Erickson E A 1298
Erickson E C O 2948
Erickson H D 79613
Erickson L C 9124, 15912, 34236, 65703, 68715
Erickson L E 49355
Erickson R A 2190
Erickson R W 79471
Ericksson H C 90043
Ericson A T 72599
Ericson D B 86308
Ericson F L 94175
Ericson L E 74514
Ericson R O 28736
Ericsson J 70559
Erie L J 17149, 78283
Eriksen C H 92653
Eriksen E K 8951
Eriksen R 57805
Eriksen S 91003, 91486, 91852
Erikson A L 57295
Eriksson A 52745
Eriksson B 31809, 77941
Eriksson G 16584, 36088, 94497
Eriksson H 53207
Eriksson R 61864
Eriksson S 36180, 36886, 47321, 79438, 79665, 80123
Erin'sh P 27187, 36145
Erion G W 1464
Eritsyan O 69670
Erk F N 5748, 13268
Erk N 11241, 53865, 71757
Erkaev A 92723
Erkaev A D 64804
Erkimbaeva A 68652
Erland S 39230
Erlandsson I 89907
Erlandsson S 81941
Erlenmeyer-Kimling L 5108, 12876
Erlenmeyer-Kimling L F 21182
Erler K H 75286
Erlich S 80603, 81740, 92076
Ermakov N A 78596
Ermakova A I 42954
Ermekov M 19704, 91627
Ermekov M A 72772, 91628
Ermenkov I I 72132
Ermenkov K 36701, 62896
Ermenkova L 46079, 90812
Ermenson S M 26245
Ermich K 68653
Ermlich M 7741
Ermisch K 92355
Ermokhin V N 60864
Ermolaev I 69465
Ermolaeva E Ya 59484
Ermolenko M A 43292, 60549
Ermolin S S 75596
Ermolov V G 17154
Ermolova E N 63461
Ermoshkevich V I 37534, 76711
Ernek E 37034, 81060
Ernest J V 30958
Ernle Baron R E P 85363
Erno H 27981, 54527
Ernst A J 22347
Ernst C 35896
Ernst E 5601
Ernst E F 33487
Ernst G 13193, 47492
Ernst H 73016
Ernst H D 13169, 64812
Ernst L K 90824
Ernst M R 63057
Ernst W R 32760, 86440
Ernstrom C A 6372
Erodi B 44473
Erofeev L N 18738, 44621, 53263
Erokhin A A 61269
Erokhin N D 25707, 60759
Erokhin Yu E 88135
Erokhina A A 18176, 78483
Eropkin V G 66447
Errera G 19384
Ershov I I 58391
Ershov V S 90611
Ershova A P 71991
Ershova L S 63821
Ershova M S 22688
Ershova V 69930, 75244
Erskine D S C 34983
Ersman P C 6036
Erteld W 18785, 61779
Erteld W--Cont 71091, 71321
Ertl J 94660
Ertola C A 48363
Ertola R 30275
Ertsey A 30085
Erturk O 11242
Ervin J O 26117
Erwin D C 8462, 12463, 16001
Erwin E S 11243, 28473
Erwin R D 39602, 48364
Erwin S F 54897
Erygin P S 24870, 60310
Erzinkyan L A 47917
Es A J H van 27610
Esanu F 48515
Esanu V 33189, 41771
Esashi Y 1035, 33915
Esau K 8721, 33622, 68005, 87265
Esaulenko K E 94286
Esaulenko P 90510
Esayan G S 25555, 60685
Esbo H 94005
Escaffi O de A 8748
Escalante J 71870
Escamilla S J G 29068
Escande 78088
Esch H 20946, 92258
Esch J A H 34882, 43603
Esche E 93334
Eschenhagen M 8662
Eschenwald A 13631
Eschle J L 12387
Eschler R 49330, 49331, 58023
Eschnauer H 30362, 65295, 83634
Eschner A R 90282
Esclapon G de R 43485
Escobar N R 81183
Escober T R 35312, 44283
Escritt J R 70029, 78597
Escuro P B 88339
Escorsa R 93954
Esenaliev S 10360
Esenther G R 12620, 21486
Eshankulov U 9590, 58831
Eshbaugh E L 20711, 20815
Esikov V I 54291
Esinovskaya V N 34744
Esipov V M 61892
Eskarous J K 54822, 54823
Eskeland A 7587
Eskerud O 6341
Eskew E B 1617, 17031, 60413, 60487, 88471
Eskew N E 80537
Eskew R K 22546, 39738, 48445, 56934, 65494, 65784
Eskilt A 28364
Es'kin B I 16585, 71226, 71300
Eslyn W E 27063
Esmay J 31707
Esmay M L 74274, 74295, 83223, 83227
Esmont E M 78987
Espanol F 29353, 55562, 73608, 73609, 82253, 82254
Espanol G 46822
Espatch D 85560
Espeja W R 54292
Espejo J 31353
Espenschied R F 66915
Espersen G 27731
Espig I 28246
Espil F A 85970
Esplin A L 91686
Espinasse J 63013
Espinet R G 53866
Espino H R 17244
Espinola H N 5224
Espirito Santo 30318
Dept Estadual de Estatistica 47821, 47845
Esposito L D' 54273
Esposito M de R 87401
Esposito R G 39705
Esposto A 23385
Essary E O 20153, 20307, 31462
el-Essawi M 37595
Esselbaugh C O 64484
Esselbaugh N C 41067, 49660
Esselborn W 81379
Esselen W B 14428
Esser H 29661
Esser K 16474, 33766, 77425
Essig H W 12118, 19705, 37192, 54293
Essington E 87613
Esslemont H 69821
Esslinger J H 81488, 82141
Establier R 48781
Estager 75287
Estager G 10979, 79494
Esteban A 93901
Esteban Munoz C 91723, 93323
Esteoule-Choux J 49917
Estep E M 79613
Esterhuizen A C 11854
Estermann E F 42569
Estes P M 20570
Esteves A B 30433, 65704, 65705, 83635, 93211, 93212
Esteves I D 49134
Esteves J D 40605, 51709
Esteves J L 6123
Estevez I 78929
Estey R H 49920
Estioko B R 81649, 92077
Estivaux L B D' 93213
Estrada Arango J 62361
Estrangin 85213
Estudillo Lopez J 37035
Eswaran K S S 8570
Etasse C 78240
Etchells J L 51451, 67148
Etchevehere P H 18158
Etcheverry J 15365
Etheredge M P 93452
Etheridge D E 41863
Ethiopia 32364
Ethiopia Customs Head Off
Ethiopia Ministry of Agriculture 49131
Ethiopia Div of Economics
Ethirajan A S 12464
Etienne G 22962
Etna G 30363
Eto M 20565, 42639
Ettel V 45053
Etter E 27714, 84681
Ettershank G 29036
Ettinger J 89138
Ettingshausen O 36120
Ettl H 24577
Ettlinger M G 22672
Ettori O J T 27611, 85283
Etzold A 43359
Etzold H 42570
Eubanks J W 3108
Eue H 43359
Eugen I 88791
Eugene G 29181, 64138
Eugster H 11410
Eule H W 44671
Euler B von 68654
Eure W W 49522
Eurelec B 62362
Eurola S 67314
European and Mediterranean Plant Protection Organisation 13438, 15893, 24128, 29069, 41772, 42060, 46439, 77102

	Item
European Association for Potato Research	43604
European Brewery Convention Barley Committee	17032 31109
European Economic Community	7481 23154 85364 85508 85971 93021
European Plant Protection Organisation SEE European and Mediterranean Plant Protection Organisation	
Eusebio J A	12244 55019 62589
Eustafievici O	91119 91342 91343 91857
Euthumiou T	53222
Euw J von	69175
Euzeby J	19470 91004
Eva C dell'	39603 93063
Evanari M	15584
Evangelisti A	83041 83133 83188 83189
Evans A C	78598
Evans A J	62363
Evans A M	25433 87402
Evans A W	43731 52229
Evans B R	4552 29494
Evans C	57128
Evans C A	70849
Evans C D	31347 48755 75531 84798
Evans D	46657 82702
Evans D C	70030 88545
Evans D E	73738
Evans D L	6207 79505
Evans D M	83497
Evans D R	21183 29421 29430 55785
Evans D W	87614
Evans E	58968
Evans E H	54477 64815
Evans E J	51031 51032
Evans E M	9474 26246 51649
Evans E V	36242
Evans G	34745 43231 48881
Evans G C	1036
Evans G O	46783 55666 73555
Evans H C	51858
Evans H E	5288 5570 29584 38374 55882 64543 73775 92545
Evans H G	23244 66741
Evans H J	1363 35201 51142
Evans H L	6034
Evans H M	91338
Evans I A	3445 72133
Evans J	17578
Evans J C	15205
Evans J C W	53641
Evans J H	86533
Evans J J T	55996
Evans J R	75819
Evans J V	12119 81040
Evans J W	46999 56343 73059 84435
Evans L	46151 72134 73202
Evans L B	36535
Evans L T	87615 87616 87821
Evans M E G	21108 38089 55721
Evans N A	26431
Evans O D	58639
Evans R D	37233
Evans R E	55020 81190
Evans R J	54708
Evans R K	54520
Evans R S	79478
Evans S A	9872 34984 34985 43712 43713 70031 89291
Evans S D	33916
Evans T A	93092
Evans T C	61893
Evans T M	64274
Evans T R	88577
Evans W	11162
Evans W C	3445 70379
Evans W F	8952 42571
Evans W G	55722
Evans W H	83329
Evans W M R	4175 54990
Evans S & Co Statistical Serv	75854 31110
Evaporated Milk Association	65506
Evaristo F N	41615 47468
Evatt N S	17034 18274 26345 60398
Evcimen B S	32638
Evdokimova T I	18241
Evdokimova T P	1037
Eve A	5225
Eveleigh D E	8953 32961 35957
Eveleth D F	3087 3905 20194 20482 63490 80227
Eveleth D F	80354
Evelyn S H	89629
Evelyn S R	84727
Evenari M	42572 51033 60070
Evenden R M	27005
Evenhuis H H	29431 92546
Evenhuis N	13722
Evenson A E	41546
Everaert G	84436
Everard C O R	42058
Everard J	35730 79193
Everett C H	7719
Everett G D	23437
Everett H F M	88941
Everett H L	1293 77426
Everett P C	52021 89009
Everett P H	61351
Everett R	30706
Everett T R	37643
Everett W	49341
Everhart M E	61282
Everingham R	7420
Everist S L	70032
Everitt G C	11573 31222 91152 91750
Everly R T	20552
Evers C	55479
Evers H	74864
Evers P N	56121 56161
Evers R A	41262
Everson D O	37146 63460
Everson E H	9074 43104
Everson L E	43059 43099 84957
Everts P H J	49223
Every G	9591
Every R	19893
Every R W	41655
Evlakhova A A	12998 37457 37713
Evplov N N	62907
Evreinoff V	17368
Evreinoff V A	25579 34613
Evreinova T N	69185
Evseenko P M	48994
Evseev N K	80861
Evseeva V E	55667
Evseichenko R I	37359
Evstigneev V B	88136
Evstigneeva A I	6991
Evtimova L	36178 54888
Evtsikhevich L E	36514
Evtushenko G A	59854 68655 68656 68657
Ewald B H	11762 20008 91199
Ewald F W	46232
Ewald P R	69483
Ewalt C	15429
Ewalt R L	51034
Ewan H G	37805
Ewan J	58398 58640
Ewart J A D	48514
Ewart K G	43839
Ewart R B	49921
Ewasiuk W J	75288
Ewbank R	3609
Ewen A B	46301
Ewert H G	43232
Ewing C	56139
Ewing C G	13415
Ewing J A	14969 15894
Ewing K P	4611
Ewing M B	15024
Ewing S A	20492 22562
Ewy Z	11574 45263 63462 72841
Exbrayat P	22260
Exconde O R	16586
Exell A W	23958 32761 41381 58641
Exer B	42573
Exline H	82142 82143
Exner F	69186
Exner R	39992
Extension Development Around the World [Conference]	40813
Ey R	74099
Eychenne	63463
Eydt H R	78284
Eye J D	48709
Eyer H	31214 53479
Eygenraam J A	64237
Eyles A C	12465 28960 28961 28962
Eymann R O	79101
Eynard I	68658
Eynon J E	62148
Eyquem A	62364
Eyrard M	21994 73152
Eyre J D	31111 58080
Eysinga J P N L R van	26247 44363
Eysinga J P N L R van--Cont	89673 89952
Eyssen H	63279
Eyubov R E	42574 87617
Eyubov S	70547
Ezaki H	38714 64878 74100
Ezdakova L A	59320 87618
Ezell B D	57022
Ezernack F J	71339
Ezerski D W	74402
Ezhov G I	3033 3780
Ezhov V I	11335
Ezhov Yu I	9884 52481 60470
Ezhova G G	92480
Ezovitov N B	90612
Ezubchik A A	35188
Ezuriko K	91693
el-Ezz A A	81754
Ezz A I	81754
Ezzat M A	45693
Ezzell A B	39687 65120
Faassen W	48693
Fabbri F	873
Fabbri R	36752
Fabbri-Gaggi G	40340
Faber E	39231
Faber F L	31438
Faber H	42061
Faber H von	28166
Faber J E	62846 72658
Faber W	46823 74515
Fabian G	1038 72633 90499
Fabian L	36794
Fabianski A	29176
Fabijanowski J	10657 32110 33488 42101 61743
Fabinyi R	24129 37771
Fabiunke E	45964
Fabjan A	79127
Fabre R	75676 75677
Fabricant J	45965 45997 72564 79750
Fabrick D P	52926
Fabris A	10190 26248
Fabris O	79392
Fabritiis C de	40449
Fabry V	85509
Facchin G	29182 73443
Faccincani F	90987
Facek Z	78285
Fadda N R	24871 68744
Faddeev M G	62021
Fadeel A A	51473
Fadeev A V	66324
Fadeev M M	6970

	Item
Fadigas M	28970
	28971
	28972
	28973
	37634
	46440
	46507
Fady C	84787
Fagan R	76393
Fagan V F	28589
Fagan V J	28590
	81154
	81191
Fagard P	20310
	27876
	45825
	72135
Fagel G	38090
	64339
	64340
	82256
	82255
Fagerberg R M	52927
Fagioli A	62560
Fagioli M B	53985
Fago C E	71308
Fagot P	12180
Fagundes A B	43383
Fahey J E	6683
	20816
	50225
	55482
Fahim M S	54673
Fahmi M	57262
Fahmy H S M	91951
Fahmy I R	68247
	73079
Fahmy M A	33950
Fahmy M I	61055
Fahmy M J	5088
Fahmy O G	5088
Fahmy Y	48197
Fahn A	50031
Fahraeus G	25218
Faillet P	43714
Fain A	12765
	21047
	21048
	28839
	38023
	38024
	38025
	38026
	46784
	64286
	64287
	73556
Fainberg L	38611
Fainbron B D	50686
Faintsimer R Z	60273
Fair E W	7126
	31941
	94467
Fairbairn J W	42955
Fairbank W C	92735
Fairbanks B W	74760
Fairbanks D	40911
Fairbanks G E	2362
Fairbrothers D E	51474
Fairchild G B	5141
	46928
	55786
	64417
Fairchild M L	12493
	55388
	55417
Fairclough J H	65582
Fairclough R	73819
	73820
Fais D	43038
Faithful W	7588
	23256
Faivre M	22297
Faivre-Dupaigre R	42247
	70033
Faizov K	10104
Faizullin A D	87603
Fajersson F	9365
	39809
	44176
	44177
	69340
	69341
	70536
Fajkowska H	69931
Fakhr M S S A A	35134
Fakhry S I	33984
Falaschini A	54165
	62650
Falcao A L	38209
	82406
Falch J	48436
Falchi P	52928
Falck M B	9254
Falck S von	60311
Falcon L A	12565
	64001
Falcon P R	63246
Falcon Guadamur R	79034
	79035
Falconer M A	41925
	41926
Falconer P	74030
	83042
Falconer P M	94377
Falcucci N	8023
Faleev G	57223
Faleeva M G	89486
Faleichik V I	35391
	43285
Fales H M	43048
Fales J H	12330
	28840
	37535
	63720
	73146
Faliu L	12180
	15585
	63416
Falk H	50687
	68248
Falk J E	43003
Falk V	11575
Falke H	74348
Falkena R	45264
Falkenberg J	62149
Fal'kovich M I	64611
Falkowski M	25434
	77524
	88546
	88547
Fall E	90189
Fall S	94006
Fallbrook Citrus Association	14085
Faller H	62651
	70400
	90520
Fallis A M	92435
Fallon E H	7822
	11825
	32279
Fallon G R	91005
Fallon J P	18275
	78145
Falloon J	52746
Fallot J	87619
Fallows J C	10191
Faltys Z	90190
Faludi B	46929
Faludi-Daniel A	46929
Falvai A	22840
	47630
Falyushin V S	91713
Famillton A K	26807
Famularo N	49388
Fan K C	15831
Fan L T	22469
	84421
Fan' Yu L	61232
Fan-Yung A F	83636
Fandeev B V	19642
Fandino D S	20817
Fandino Lopez L	40165
Fanelli M J	13534
Fanfani	66528
Fanfara R	48516
Fang S C	1924
	35128
	42941
	43026
	52759
	70242
	78336
Fang T N	77868
Fangauf K W	67044
Fangauf R	28365
	30039
Fangmeier D D	61507
Fanguy R C	3908
	80810
Faninger A	19816
Fankhanel H	64076
	92227
Fankhauser R	3909
	45265
	72136
Fanning C	2273
Fanning J	69823
Fanning J W	6652
	58196
Fanshawe R S	1312
Fanshier L	72679
Fantalis I A	72205
Fantalov O S	16685
	83259
Fantes K H	16064
Fanti O D	31550
Fantini A A	50842
Far East Agricultural Credit Workshop	85214
Far East Food and Agriculture Officers' Conference	23155
Faraday Society	87266
Faragher P L	64982
Faras F J	91952
Farber A	92927
Farber E L	45052
Farber Y	74964
Farbrother H G	29831
Farci H de	96064
	56383
	74455
Farias F J	12331
	37458
	81380
	81381
	81382
Farias G B de	9613
Faridi M A F	32916
Farina L	21529
Farina R	62365
Faris J E	14970
	31942
	69739
Farjo P D	40814
Farkas Mrs B	72978
Farkas D F	74516
Farkas E	45348
Farkas G L	41616
	42956
	67838
Farkas J	21842
	65211
	65345
Farkas L	8954
Farkas M	28728
Farkhadi I	1925
Farleigh E A	54967
Farm & Power Equipment	29832
Farm Equipment Dealer	64769
	83134
Farm Equipment Institute	5690
Farm Foundation	7346
	66916
	85149
Farm Implement and Machinery Review	73938
Farm Mechanization	13231
	13312
	56162
	64879
Farm Policy Review Conference	56449
Farmer E H	75620
Farmer R E	87620
Farmer S	74204
Farmer V C	9306
Farmer and Stock-Breeder	71877
Farmer Research Dept	49015
	49016
Farmers Cooperative Grain Dealers Association of Oklahoma	40912
Farmers Educational and Cooperative Union of America SEE National Farmers' Union	
Farmers Elevator Association of Minnesota	14235
	84437
Farmers Elevator Association of South Dakota	75289
Farmers Grain Dealers Association of Iowa (Cooperative)	6765
	75290
Farmers Union Central Exchange	32280
	85929
Farmers Union Grain Terminal Association	57144
Farmers Union Jobbing Association (Cooperative)	30170
Farn G	93034
Farn R J	81383
Farnert B	81761
	81822
Farnham M B	47570
Farnsworth D	64612
Farnsworth H C	47689
Farnsworth N R	8722
	42957
Farnsworth R L	18159
Farnworth A J	13940
	13941
Farnworth C H	23596
Farnworth V M	22673
Farooq A	28405
Farooq M O	42958
Farquhar A J	31112
Farquharson I D	4350
Farquharson R	88340
Farr M L	256
	8291
	77080
Farr M M	80807
Farrall A W	5662
	56050
Farrand G N S	84923
Farrar C L	4793
Farrar J L	1056
	18786
Farrar K R	59855
Farrar L L	17614
Farrell A J	84878
Farrell C V	32281
Farrell F D	94619
Farrell K R	6607
Farrier M H	4612
	15910
Farrington K J	54928
	63464
Farris D E	65734
Farris P L	7123
	31433
	84517
Farris S H	64324
Farris W S	22741
	31113
	93058
	93694
Farrish R	14097
Farrow B	30773
Farsky I	89836
	89837
Farsykhanov F I	79788
Farthing B R	80106
Faruqi M A	48198
	56858
Faruqi S A	16306
	42205
	50032
	50688
	50880
Faruqui S A	32816
Farzaliev I	74901
Farzaliev M M	12133
	37234
	62761
	72606
Fasaic V	27696
Fascetti L D	22674
Fasnacht D W	54521
Fassa T G	41775
Fassati M	38091
	46824
	46825
Fassatiova O	67892
Fassetta L	78809
	85510
Fassi B	70333
Fassina G	33623
Fassler P	23089
Fassuliotis G	33433
	43896
Fast G	78686
Faster K	29585

	Item
Fastie W G	69013
Fastier L B	11244
	54294
Fastovets L S	26335
Fastovskaya E I	55275
Fataliev R A	8127
Fatalizade F	89414
Fateev A	13272
Fateev K Ya	28392
Fateeva M V	77597
Fathi A el K	34652
Fathy H	38783
Fati A	18614
Fatkhullaev D Z	26201
Fatkullin A Sh	70422
Fatta del Bosco G	77525
Fauche J	17859
Faucher D	51590
	94287
Fauck R	35554
Fauconneau	71758
Fauconneau G	59900
Fauconnier D	53265
	61817
Fauconval A de	93123
Faugeras G	77780
Faught W A	6510
	48199
Faulkner C E	26936
Faulkner J D	6265
	74772
Faulkner L R	8625
Faulkner P	55622
Faulkner R	18947
	26867
	44801
Faull A F	86163
Fauquembergue D	31379
Faur G	90604
Faure J C	29789
	92654
Faure J C A	22675
	40045
Faure M	23528
Faure N	20681
Faure R	88895
Faurel L	49990
Fausch H D	91757
Fauser H	21995
	56753
Faust E C	5556
Faust F E	10903
Faust H	1039
	1157
Faust S D	52204
	56323
Fausti F	64943
Faustini R	36579
	37360
	80267
	80625
Faustov V V	1070
	87664
Fava A	46724
	46725
	46726
	47211
Favard A	47145
Favaretti G	15143
Favarger C	50626
	76902
Favart M	47669
Favati V	63465
	63466
Favilli P	71196
Favilli R	24872
Favinger J J	81434
Favorskaya E Ya	48201
Favre-Bonvin J	9291
Favre-Duchartre M	42575
	71197
Favresse S	84556
Favret E A	24750
Favstova V	56754
	83895
Fawcett R G	59856
Fawzi M	5563
Fay L D	3594
Fay P	77526
Fayaud A	34321
Faye G	22608
Faye P	20370
	81032
Fayet M	19951
Fayre G	89340
Fayustov I G	31530
Fazackerley H	7043
	48756
Fazakerley S	22653
Fazekas B	67290
Fazekas L	93453
Fazenda H	73147
Fazio G	48292
	56935
	57519
	84331
Fazio M L S de	33624
Fazio S di	94888
Fazlagic M	88976
Fazylova S	59857
	68659
	87621
Feagan J T	30577
	39265
	54295
Fearn J T	19706
Fearn P	32762
	32763
Fearon W R	65073
Feaster C V	69466
Feaster J F	65185
Feaster J P	3471
	62794
Feat R	44178
Feather M S	84438
Feathers D L	25708
Featherston W R	54709
Fecher P V	80299
Fecheimer N S	13766
	36407
	45454
Fechner J	91953
Fechter H	55668
Fedchenko M A	24130
	52482
	58969
Fedde M R	72607
Feddema J J	67192
Feddema L W	13369
Fedder M L	55178
Fedder N	20493
Feddersen H D	10192
	49228
	50306
Feddersen H D	85511
Fedeli E	31354
Fedenko V U	9573
Feder E	23003
	66997
Feder W A	8626
	58970
	60653
Federacao Nacional dos Industriais de Lanificios	30774
Federacao Nacional dos Produtores de Trigo	22470
Federacion Agricola (Chile)	49523
Federacion Cafetalera de America	30364
Federacion de Cajas de Credito	23004
Federal Land Bank of Wichita	7385
Federal Reserve Bank of Dallas	31943
Federal Wine and Brandy Producers' Council of Australia	74588
Federated Co-operatives	32282
	76474
Federated Farmers of New Zealand	76445
Federation Belgo-Luxembourgeoise des Industries du Tabac	31610
Federation of Agricultural Co-operatives in Great Britain and Ireland	40913
Federation of American Societies for Experimental Biology	58362
Federations Nationales des Unions Professionnelles Agricoles de Belgique et des Jeunes Alliances Paysannes de Belgique	94708
Federer W T	325
	41236
	69932
	69974
Federici L	45975
	45976
Federico L	2274
Fedida M	11287
	11622
	11623
	36289
	45309
Fedin A P	43897
Fedin M	69342
Fedin M A	34394
	86792
	88341
Fedinin V	14755
Fed'ko P A	27310
Fedorenko A D	81384
Fedorenko I N	58832
Fedorenko K A	75526
Fedorenko V S	51935
Fedorina M N	20883
Fedorinchik N S	33054
	37459
	44006
Fedorischev T I	36094
	45098
Fedorov A	90825
Fedorov A A	8128
	67315
	68108
Fedorov A A--Cont	70129
	70154
	71546
	75794
	75801
Fedorov A I	17245
	34553
	44802
	77990
	88743
Fedorov A K	33917
	42576
	42577
	59858
	59859
Fedorov A M	71622
Fedorov B V	10361
Fedorov L T	61508
Fedorov M A	13385
Fedorov M V	26101
	78423
Fedorov N	47525
Fedorov V A	17035
	19817
Fedorov V D	77370
	87622
Fedorov V I	63467
Fedorov V P	91611
Fedorov Yu V	63841
	81489
Fedorova A I	61906
Fedorova M N	46259
Fedorova N A	60414
Fedorova R V	58518
Fedorova T L	90705
Fedorova Yu N	9154
Fedorovich B A	70423
Fedorovici C	29933
	30775
	84029
	85632
Fedorovskii D V	16588
Fedorowska Z	31215
Fedoruk P	23080
	66448
Fedoruk P S	76112
Fedoseev V F	94034
Fedoseeva L I	12870
	12871
	92436
Fedoseeva Z N	77103
Fedotov A	79789
Fedotov A I	3109
	54622
Fedotov P A	72387
	72388
Fedotov P I	91891
Fedotov V A	81007
Fedotov V S	1849
	14028
	44474
Fedotova T I	33190
	67804
Feduchy E	83637
Fedyun'kin D F	59860
Fedyushin A V	19385
Fee J G	84632
Feed & Farm Supplier	74902
Feed Production School	30707
Feeder W A	51912
Feedlot	90903
Feely L	73420
Feeney J L	2434
Feeney R E	13439
Feher Gy	36251
	54296
Feher K	27246
	69533
	75291
	88342
Fehl E	13466
	56996
Fehleisen S O	87461
Fehmerling G B	65785
Fehn L M	73080
Fehr F & Co	31355
Fehrenbacher J B	51035
Fehrs D	15206
Fehse F	37140
	54697
Fei J C H	94127
Feider Z	46785
	55669
Feiffer P	43113
	47344
	56163
	74101
	88355
	92804
	92810
Feight J J	5749
Feiginson N I	59689
	87403
Feihl O	79513
Feijao R d'O	32700
Feiling	49793
Feilitzsch E von	74815
Feils G	72137
Fein B T	41263
Feinberg D	14456
Feinbrun N	108
Feingold B G	20634
Feingold D S	16846
	16941
Feinstein L	6901
	14349
Feise J	90276
Feistritzer W P	87623
Feitengeimer V A	36855
Fejer I	35789
Fejer-Kossey O	33918
Fekete A	16994
Fekete D	71198
Fekete F	31660
Fekete G	42102
Fekete I	2407
	70734
Fekete J	2275
Fekete L	5843
	28591
	63631
	72906
	72941
Fekete T	54166
Fekete Z	2617
	26249
	26592
	35700
	70850
	70851
Felauer E E	81925
Felbeck G T	89496
Feldhay H	87761
Feldheim W	28271
Feldhus	17708
Fel'dman A I	93902
Feldman A W	24486
	77269
Feldman G	92928
Feldman G L	91487
Feldman J J	58316
Feldman J M	15895
	86893

	Item
Feldman M	50913
Fel'dman N L	34046
	59861
	87267
Fel'dman R I	48972
Fel'dman Ya I	76772
Feldman-Muhsam B	55670
	55671
Feldmann F	5663
	13892
	38754
	74205
	74206
	74207
	83190
	92929
Feldmann G	32917
Feldmann J	32917
	50111
Feldmesser J	8626
Fel'dshtein M A	54444
Feldtman H D	22230
Felecan F	42465
Felecan V	33824
Felenbok B	51475
Felenczak W	53544
Feleshchuk B N	53624
Feleshchuk V N	62065
Feletti G	88548
Felfoldy L J M	42578
Felice M de	75527
Feliciani A	26868
Felitsiant I N	9990
Felix C J	8114
Felix S	58971
Felizardo B C	18276
Felkl H	11175
Fell B	54761
Fell G	21960
Fell H B	76831
Fell J	27070
Fell K	83896
Felleg J	94212
Feller K	65941
	65942
Fellers C R	83528
Felletti G	10193
	77942
	78599
Fellhauer T	19952
Fellner F	54297
Fellowes O N	91488
Fellows I	85185
Fellows I F	47540
Fels H E	54878
Feltner K C	1607
Feltner R L	32174
	39982
	93863
Felton E R	19072
Felts J H	62968
Felts V L	23257
	72773
Feltwell R	3987
	22752
Fenaroli G	74481
Fenaroli L	17036
	23775
	23959
	76939
Fencl E R	6766
Fencl J	77693
Fencl Z	26114
Fender K M	82257
	82271
Fender M	14378
	55032
	81158
Fenderson O C	63796
Fendler H	48293
Fenelonova T M	24870
	59418
Feng P C	1337
Feng Y S	38179
Fengel D	19338
	79542
Fenili G A	603
	5210
	8414
Fenin M A	60275
Fenley J M	76394
	76395
	76396
	76397
	76398
	76399
	76400
Fenn M G	78108
Fennah R G	4873
	55854
	82517
Fenne S B	50533
Fennell D W H	64613
Fennell R	85688
Fenner H	36162
	80099
Fenner L M	68063
Fenner T L	326
	4685
	58833
	81385
	92154
Fenner T W	6562
	6563
	13942
	65604
	84062
Fennessey J P	53707
Fennestad K L	36580
Fensch J F	76113
Fense H	44215
Fensom D S	42579
Fenstad A	56194
	74136
	74162
Fenster C R	2359
Fenton A	7761
	31766
Fenton B K	4246
Fenton G	14971
Fenton R	26807
Fenton R H	44867
Fenwick D H	44974
Fenwick D W	35313
Fenwick H S	24234
	24245
	33191
	41773
Fenwick M G	41511
Feo A de	23811
Feodoroff A	70185
Feofanova N D	33919
Ferando M	87939
	87940
Feraud	57625
Feraud L	5905
	15366
	38570
	76114
Ferauge M T	68660
	88028
Ferber H	69310
Ferda J	18882
Ferebee D C	29882
	32039
	80907
Feredean I	90542
	91816
Feredean T	36436
	91758
Ferenbok Ya L	52747
Ferencik M	37851
Ferencz V	69052
	87983
Ferenczi B	64816
Ferenczi S	24873
	93214
Ferenczy L	42580
	67316
	67805
	89292
Ferens B	76713
Ferents V	25111
Fergus C	24083
Fergus C L	975
	1040
	33055
	33192
	50997
Fergus E N	1567
Fergus I F	35106
	78600
Ferguson A E	3910
	20246
Ferguson C M	32175
	67276
Ferguson D E	82595
Ferguson D L	4115
	11591
Ferguson D M	62150
Ferguson E R	26909
Ferguson G R	1926
	4351
Ferguson G S	83719
Ferguson H	6124
	35107
Ferguson J	36451
Ferguson J A	71907
Ferguson J R	7589
Ferguson K A	62363
Ferguson L C	11858
Ferguson M H	17474
	26020
	44305
Ferguson M J	5203
Ferguson R	80725
Ferguson T M	3908
	3971
	11890
	11891
	45925
	72677
	91410
	91411
	91412
Ferguson V	56852
Ferguson W	81490
Ferguson W E	82596
Ferjencik P	45147
Ferlin G R	44720
Fernandes A	23960
	23961
Fernandes B H C	56963
Fernandes R	23913
	23960
	23961
	67438
Fernandes S	76714
Fernandes S J G	42581
	48434
	57063
Fernandes V T	16123
Fernandez A	57583
Fernandez C E	77101
	77527
Fernandez E	43094
	63280
Fernandez E T	31742
Fernandez G A	74275
Fernandez J J	65675
Fernandez S P	10565
	53159
Fernandez B J	78146
Fernandez C L	35476
Fernandez Cueto M	74276
	92967
Fernandez de Molina A	45753
Fernandez Diez M J	14457
Fernandez Espinosa J L	63280
Fernandez-Martos y Bermudez-Canete C	27479
Fernandez Navas F	55148
Fernandez-Quintanilla C	19707
	19708
	19818
	36483
	36484
	71993
	80124
Fernandez Ruiz R	45859
Fernandez Valiela M V	16124
Fernandez y Fernandez R	18449
Fernando C H	21013
Fernando L H	44163
Fernando P V D	32484
Fernando W	73509
Fernando W W H S	63561
	91674
Fernbach F L	57739
Fernelius A	62410
Ferney J	27698
	45558
Ferneyhough R H	28664
Fernie L M	17839
	61018
	61019
Fernley G	40093
Fernon B F	22199
Fernqvist I	42582
	50211
	51476
	51893
Fernqvist N	84652
Feron M	37714
Ferragu M	92356
Ferrando R	11163
	16589
	23658
	23776
	45754
	48133
	65559
	71653
	71759
	79666
	91413
Ferrante M	85367
Ferrao A da F	24131
	81755
	92155
Ferrao J E M	14458
Ferrara B	54478
	80908
Ferrari A	92048
Ferrari G	16590
	18715
	51036
Ferrari L	3110
Ferrari T J	18277
Ferrarini B	71908
Ferrario A	84030
Ferraris I P	44283
Ferrary R	68438
Ferrati U	56442
Ferraz C A M	24458
Ferraz E C	77631
Ferre Y de	52022
	77366
Ferree P	44364
Ferree P J	40259
Ferree R J	2276
	41617
	50164
Ferreira E A	3339
	3610
	3611
	45191
	54099
Ferreira F	53030
Ferreira I L	72816
Ferreira J A	37581
	37582
	37583
Ferreira L A B	38888
Ferreira L C	55563
Ferreira M C	29354
	46826
	46827
Ferreiro A	83638
Ferreiro A C	17919
	61106
Ferren W P	93903
Ferrer J B	8336
Ferrero R A	14664
Ferret	88569
Ferret M	17173
Ferretti A	9223
	9224
Ferretti R J	44513
	44522
	79004
Ferri A G	27732
Ferri F	24235
	41774
	50173
	67689
	86830
Ferri M G	59862
Ferrier W T	20286
Ferriere C	4874
	12954
	82597
Ferriere J F de	26250
	61352
	77528
Ferrigno F	81491
Ferriot	45588
	45826
Ferris D H	11245
	11246
	11247
	53867
Ferris G F	38346
Ferris J	14850
	85368
Ferris J N	75421
Ferris R D	11248
	36672
	54397
	62869
Ferris R T	14138
Ferris V R	24459
	42062
Ferro O	94580
Ferro S	92589
Ferry G V	4657
Ferry P	10070
Fershtat N	83005
Fertig S	54423
Fertig S A	16591
Fertig S N	16601
	16681
	17681
	17682

	Item
Fertig S N--Cont	17683
	17684
	27612
	52205
Fertiliser Association of India	10486
Fertiliser Manufacturers' Association	61654
Fertilizer Industry Round Table	78993
Fertilmacchine	52748
	57806
Ferting S N	52247
Fertman V K	13619
	39127
Feruglio D	26251
Feruglio F S	4486
Ferver J C	23442
Fesce A	80268
	80269
Feshbach M	85284
Feshchenko P S	66449
Fessel F	27101
	71400
Fessler A	60760
Fessler D R	94629
	94630
Festa N	24892
Festa N Ya	51060
	59894
Festen J J J M	49431
Festuccia M	85259
Fetisov A D	71623
Fetisov G G	34636
	86636
Fetter G C	7840
Fettes J J	81910
Fetvadzhieva N	89293
Fetzmann E	59256
Feucht J R	90191
Feucht W	24874
	42583
Feuer R	94278
Feuerlein W	10321
	13194
	21592
	47345
	56122
Feuersenger M	48324
	65752
Feuge R O	7106
	22693
	31359
	48751
	84788
Feughelman M	6598
	13943
	48200
	65581
Feuillatte N	65296
Feustel I C	39046
	75155
	75189
Fevrier F	28726
Fevrier R	55072
Few A B	27982
Fewell R	34746
Fewkes D W	4613
	12922
	29562
	37688
	55474
Fewson C A	60312
Fewson D	81158
Fey E	54674
Fey H	11617
	28651
	54298
	54299
Fey H--Cont	79790
	81263
Feyerherm A M	74923
Fezer K D	4628
	67806
Fiala F	48882
Fiala J	18615
Fialkovskaya E A	86793
Fialkovskii P G	89838
Fibras F	58497
Fic V	83043
	87012
Fice K	73368
Fich C	60624
	76520
Fich J	60761
Fichera P	10026
	87647
Fickentscher W	5844
Fidalgo M E P K	41547
Fiddian W E H	1465
Fidler J C	22421
Fidler V	79791
Fidyk S	62131
Fiebig K	69534
Fiedler E	61197
	70334
Fiedler F	71199
Fiedler G	56140
Fiedler H	54085
Fiedler H J	18841
	61197
	61270
	70334
	71140
Fiedler J	57740
	82941
	88744
Fiedler V	53868
Fiedler W	25608
	34637
	41072
	42584
Fiegel B	27841
Fiegenbaum G	72992
Fiehrer A	80529
Field A C	4116
	63417
Field E K	34747
	43486
Field H	82079
	94532
Field J	58363
Field L	90329
Field M J	78485
Field R A	12309
Fielden A	73897
Fielden E D	54675
Fielder F	21699
Fielder J W	56164
Fielder L L	13575
	13576
	31302
	75422
	75820
	85689
	85742
Fielder M M	6895
	14407
Fieldes M	35135
Fieldhouse D J	81633
Fielding A M	84246
Fielding B C	9255
Fielding H A	11125
Fielding J M	23962
	44755
	79290
Fields H M	64750
Fields M L	39620
	83330
Fields R W	59863
Fienup D F	31282
Fiero G W	21862
Fiers W	42959
Fiestas Ros de Ursinos J A	14457
Fife C V	35136
Fife D C	46441
Fife L C	12999
	46504
Fife W	3714
Fifield W M	57807
Figarella J	42585
	43393
	70665
Figaro P	33359
Figier J	24875
	34268
Figueres J	93215
Figueira A A dos R	44365
Figueira A dos R	48517
	49897
Figueiredo M B	24220
	24221
	28974
	33178
	41775
	55398
Figueroa M	43390
Fijalkowski D	32701
	68109
	68110
Fiji	40971
Fiji Dept of Forestry	18680
Fiji Registrar of Co-operative Societies	15317
Fike W T	1416
Fikenscher L H	77781
Fikentscher	65439
Fikiin A G	30279
Filan F	34492
	60518
	88549
Filatov F I	26021
Filatov I	12393
Filatov N	75993
Filatov N A	14972
Filatov N S	39488
Filatova A N	58428
Filatova I T	34004
Filby D E	5727
	5814
Filczewski M	55129
	55130
Filenko R A	75964
Filep Gy	35477
	53006
Filer T	24239
Files J	34748
Files R A	57719
Filev D	70682
Filev D S	51638
Filimonov M	68661
Filimonov M A	68662
Filimonov S S	71414
Filimonova A B	58498
Filimonova G A	86636
	87268
Filimonova V D	59548
Filimonova Z N	34749
Filin V R	86326
Filinov N P	90316
Filipek M	59257
Filipek P	46615
	73342
Filipek Z	16793
	17855
	19289
	19293
Filip'ev I	70537
Filip'ev I D	24876
Filipova N I	86948
Filipovic D	53869
	80492
Filipovic-Moskovljevic V	29218
Filipovich S M	53912
Filippenko I M	24877
Filippi E	58216
Filipponi A	4917
	4918
Filippov A F	85512
Filippov D	60865
Filippov D I	89139
Filippov L A	24878
	87624
Filippov N	73200
Filippov V	57741
	66450
Filippov V R	85513
Filippova A K	35108
Filippova L A	69131
Filippova N A	12766
	29296
	55672
	73557
Filippova Yu	59864
Filippova Yu E	68663
Filius I	1898
	30101
Fillerup O W	32176
Filliol M H	80853
	87561
Fillipi T	70756
Filmer J F	81046
Filmer R S	1152
Filonov B O	89928
Filosa M F	16896
	68249
Filotto U	28454
	80538
	80630
Filov A	48294
	87625
Filov A I	42206
	42355
	59419
	59420
	86441
Filutowicz A	51834
	69657
	77104
	77991
	88745
Fina A L de	16
Fina L R	3425
Finaev E P	9614
Finaev N P	37361
Finch A H	58834
Finch C G	25809
Finch K	45715
Finch T F	70424
Fincham R C	91157
Fincher H D	7039
	57338
	93904
Fincher M G	83846
Finck A	2191
	52749
Fincke A	83643
	83644
Find N I	53510
Findeisen D	94213
Findlay G P	51037
Findlay J A	4875
Findlay J D	19819
	36551
	36552
Findlay R	32764
Findlay W P K	5870
	20884
Findlen H	14126
	75168
Findlen P J	39604
Findley G E	84439
Findley P	65560
Findrik M	59237
	62762
	63236
Fine J	19998
Fine L O	10362
Fine N	15207
Fineberg M	68687
	75533
Finelle P	11336
	12409
	27849
Finger H	2408
	71760
Finger K H	12065
Finger O	70250
Finighan R	19164
	27056
	53552
	53565
	71475
Fink E J	29494
Fink F	10171
	52723
	70508
	89380
Fink H	59865
Fink K	40815
	77529
	94661
Fink R M	77529
Finkbein R	16165
Finke K J	4206
Finkel' L	92288
Finkel'shtein M Ya	70335
Finkelstein B	76588
Finkelstein R A	91489
Finkner R E	81650
Finland Maatalouden Tutkimuskeskus	94498
Finland Maataloushallitus	27914
Finland Metsahallitus	44578
Finland Metsatalouden Suunnittelukomitealta	61718
Finland Ministry of Finance Div for Economic Affairs	40247
Finland Statistiska Centralbyran SEE Finland Tilastollinen Paatoimisto	
Finland Tilastollinen Paatoimisto	13535
	65259
	93175
Finland Valtion Siementarkastuslaitos	94007
Finlay W G K	17436
Finlayson A J	34269

	Item
Finlayson D G	37659
Finlayson L H	29243
	92308
Finlayson P M	69384
Finlayson T	12956
	29586
	64544
Finley J	11494
Finley L	13963
	29020
Finley N	83330
Finley R M	7590
	89934
Finn C A	80683
Finne L	45966
Finnegan E J	39295
	47954
Finnegan R J	4992
	64341
Finnerty D W	24879
Finney H R	70425
Finney K F	75292
Finzel R	94214
	94378
Finzi A	72587
Finzi M	23659
	76589
Fiocre B	54300
Fiolek S	26808
	53317
Fiolic N	62971
Fioravante J	61509
Fiore C	82298
Fiorentini G	52929
Fiorenzi P	39489
Fioretti C	19783
	19784
	80268
	80937
Fiori G	26432
	38092
	44366
Fiori L A	6490
	6527
	6573
	6582
	30872
	39520
	56859
	56860
	56884
	65642
	84074
	93493
Fiorito G	17396
	25680
	33056
	34692
	34693
	78096
	89294
Firbas F	86373
Firbas H	9815
	48400
Firehammer B D	28474
Fireman M	2409
	26433
	52906
Firestone D	3161
	7040
	7041
	74694
Firestone R E	93955
Firey W I	7707
Firman I D	50174
Firsanova A N	61198
Firsov I G	28975
Firsova V P	26152
First N L	23257
Fisch R	54301
Fischang W J	81999
Fischbach H	30125
Fischbach P	70756
Fischbach P E	26434
	61510
Fischbeck G	375
	8810
	40569
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Fischer	71141
	74208
Fischer A W	74968
Fischer B B	17685
	59988
Fischer C C	17437
	34750
	43544
Fischer D	44923
	47459
Fischer D R	30708
Fischer F	44803
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Fischer F C J	55155
	56022
Fischer F G	12685
Fischer G W	86559
Fischer H	31810
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Fischer H P	67439
Fischer J	78994
Fischer J B	63016
Fischer J L	15208
Fischer K	11849
	12245
	18450
	21643
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Fischer L	39296
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Fischer M E	78622
Fischer R	27151
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Fischer R L	64614
	82703
Fischer V L	35883
Fischer W	20571
	28046
	54302
	75994
	76115
	85285
Fischer W F	44900
Fischer W N	17397
Fischer-Gurig A	94215
	94378
Fischer-Piette E	15832
	33489
Fischgold S	45054
Fischhaber L	20947
Fischman O	45553
Fischnich O	33921
	39819
	42586
	42613
	44244
	68664
	68665
	69284
	90582
Fisenko O F	63652
Fisenko O I	25399
	74589
Fiser F	75293
	75294
Fiser J	19643
Fish G R	15833
Fish H	74373
Fish R A	3658
Fish R B	10623
Fishel J B	66259
Fishel W L	93846
Fishelevich M A	81504
Fisher A	76116
Fisher A E	7691
Fisher C E	25274
Fisher C F	89578
Fisher C H	56861
	65103
	74970
Fisher D V	16592
Fisher E	66223
Fisher E A	12683
Fisher E E	257
	54927
Fisher E G	529
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Fisher E H	49777
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Fisher E J	32431
Fisher E W	62764
Fisher F L	2257
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Fisher F M	38093
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Fisher F R	65582
Fisher G G	89295
Fisher H	1801
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	45942
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Fisher H G	70852
Fisher H H	1980
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Fisher H J	30126
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Fisher H M	88268
	88343
Fisher J	1041
	4993
Fisher J E	87630
Fisher J M	612
Fisher J O	61744
Fisher L J	27680
Fisher M E	61617
Fisher R A	86111
Fisher R C	5397
	64545
Fisher R G	21858
Fisher V J	17337
Fisher W	79792
Fisher W S	43329
	43330
Fishkina F L	44953
Fisichella G	43901
Fishman Ya	5750
Fishman Ya N	13232
Fishta R	28411
Fisichella G	10026
Fisk E K	14756
Fisk F W	5564
	21097
Fiskell J G A	17963
	18210
	59866
Fisker A N	6357
Fisser H G	4994
Fista R	63397
Fistere C M	56704
Fitch C M	69824
Fitch M E	41098
Fitchett D A	40359
Fite G C	8067
Fitelson J	6125
	74590
	74591
	74592
Fitingof S N	22618
Fitko R	54284
	72444
	72445
Fitschen H J	34883
Fitter R S T	76654
Fitts J W	25314
Fitz-George R B	27860
	45649
Fitzgerald J R	30710
Fitzgerald K	6283
	78995
Fitzgerald L W	21554
	75995
Fitzgerald P J	87111
	88558
Fitzgerald P R	80270
	81047
Fitzgerald T C	3659
Fitzgerald W F	3735
Fitzhugh O G	3161
Fitzmaurice C H	57520
Fitzpatrick D	28475
Fitzpatrick E N	26350
	52750
Fitzpatrick R A	31661
Fitzpatrick R E	16137
Fitzpatrick W H	41099
Fitzsche J	28592
Fitzsche K	28267
Fitzsimmonds R S	32365
	49590
Fitzsimmons C	7369
	74440
Fitzsimmons R C	45909
Fitzsimmons R W	1490
	1491
	33057
	43088
	51627
	88344
Fitzwater W D	53437
Fiutkowska K	42646
Fivaz A E	45013
Fix W L	79243
Fizette W B	11858
Fizzell J	18278
Fizzell J A	52206
Fjelddalen J	55399
Fjorkenstad P	71909
Flaccomio E	31631
Flack J	40379
Flagg R O	15738
Flagler M B	69240
Flaig W	1042
	17964
Flamant G	29141
	81879
Flamini G	85690
	94725
Flamm H	79793
Flanagan J J	14851
Flanagan T D	79775
Flanagan T R	1043
Flanagin V L	42587
Flangas A L	50260
	50844
Flann I B	27004
Flannagan T R	8955
	16593
Flannery J S	3788
Flannery R D	44367
	52930
Flannery R L	26252
Flanzy J	75666
Flanzy M	47847
	83679
Flatt W P	36581
Flavigny P	23005
Flax Institute of the United States	1524
Flaxman E M	78930
Flechtenmacher W	56466
Fleeger J L	62737
Fleet J	75855
Flegg P B	35611
	43605
	59867
Fleisch A G	48694
	48709
Fleisch R P H	64139
	81942
Fleischel H	45827
Fleischer E	10720
	48134
Fleischer H O	35970
Fleischer L	25896
Fleischer R	72988
Fleischman A I	30371
	51279
Fleischmann O	39913
Fleishman L E	7253
	85040
Flemal J	43861
Flemer W	34844
	52061
Flemig G	56862
	84031
Fleming B R	17678
	52198
	52199
Fleming C E	27733
Fleming D	36439
Fleming F W	14963
Fleming G A	44234
	55174
	77530
	78337
	83169
	87626
Fleming H K	10289
Fleming I J	5751
	29934
	38612
	38729
	56165
Fleming J R	22471
Fleming J W	33857
Fleming L	94289

	Item
Fleming L W	19820
	80271
Fleming R A	69825
Fleming S D	1927
	25897
	34986
Fleming W E	37460
	63736
Flemion F	24578
	82518
Flemming H	11078
	53686
Flemming J R	84440
Flemming P	22298
Flerov B K	79479
	90465
Flesch P	39140
Flesher D	989
	16624
Flesher V	13382
Fletchall O H	51711
Fletcher A M	39705
Fletcher D G	20572
Fletcher D S	38490
	64615
Fletcher F W	33058
Fletcher H	85633
Fletcher H B	31811
	32024
	32025
Fletcher H C	34751
Fletcher H F	61353
Fletcher H R	17438
	50033
Fletcher J L	80106
Fletcher J M	30256
Fletcher L B	74651
Fletcher L W	21452
Fletcher M A	9929
Fletcher P W	70204
Fletcher R	83271
Fletcher T L	36537
Fletcher W A	34614
Fletcher W J	23006
Fletcher W W	10071
	17686
	17720
	26102
	51038
Fleurent C H A	90760
Flewell-Smith B	56936
Flick D F	3907
	75528
Flick F J	90380
Flick H	22422
	31018
	58253
	67045
	67046
	75190
	76521
Flick J A	20253
Flick R A	90410
Flieg O	71654
Fliegel F C	49229
	49572
	58344
	67022
Fliflet T	9705
Fliger N	64995
Fliginger J C	93620
Fling M	887
	33777
Flint F F	50689
Flint G J	5398
	55944
Flint H L	33923
Flint J C	63477
Flint O S	13078
	56023
	73898
	73899
Flint T	79086
Flint W P	91974
Flipo J	27983
Flipse R J	3292
	80029
Flock R A	82519
Flocker W J	35280
	35480
	51039
	51040
	61111
Flöhr W	10721
Floor J	1773
Flor H H	50845
	51710
Flora J P	93956
Florcruz C R	60608
Florea J H	14519
	66157
Florea N	10109
Floreal Marsico D	88864
Florenskaya N K	39448
Florent A	54303
Florentin P	72138
Florentino R F	86039
Flores A B	20712
Flores E	73282
	87075
Flores H	82704
Flores I	34884
Flores J G	35406
Flores M	13450
	49706
Flores T	15619
Flores-Barroeta L	24460
Flores Caceres S	4614
Flores Munoz G	31665
Flores Ventura P	1044
Florescu A	2815
	8956
Florescu E	89839
Florescu G	89839
Florescu I A	71200
Florescu I I	26770
	61894
Florescu M	68666
Florescu S	91664
	91687
Florey Q L	44442
Florez J R	78541
	84149
	94581
Florian	38755
Floricica N	71211
Florida Anti-Mosquito Association	37536
Florida Board of Forestry	10566
Florida Canners' Association	31019
Florida Citrus Commission	15896
	33059
	75137
Florida Citrus Exchange	30895
Florida Council of Farmer Cooperatives	66998
Florida Crop and Livestock Reporting Serv	65837
	75247
Florida Dept of Agriculture	21912
Fruit and Vegetable Inspection Div	39706
Florida Dept of Education	49855
Florida Legislative Council	14757
Florida Legislature Reference Bur	14757
Florida State Horticultural Society	60625
Florio R	54514
Florioli L	32432
Florkin M	82025
Floro M F	22841
Florovskii A M	90254
Florquin A	23007
Florschutz F	23883
Flory J	23652
	23653
	23654
	23673
Flory P J	30143
Flotynski J	11065
	19299
	19300
Flotzinger H	57527
Flovik K	66529
Flowerday A D	51703
	52852
Flowers A I	37120
	91527
Flowers S	15827
	49982
	67374
Floyd C	56139
Floyd E H	12606
	55525
Floyd H S	36102
	36103
Floyd L A	22359
Fluck H	42588
Fluckiger E	22076
	30609
	47964
	48016
	56677
	83869
Fluckiger G	11576
	28652
	45266
	55073
	72139
	72989
	75626
	91006
	91688
Fluit A A M	52207
Fluiter H J de	4352
	63737
Fluno J A	28841
Fluss F F	23597
Flux D S	11856
	27247
	28158
	79730
	91671
Fly C L	18160
Flyagina A V	20713
	37635
Flyak V V	71761
Flynn D M	54927
Flynn K E	11495
	70770
Flynt W	62342
Foa L	49132
Foard D E	25709
	68250
Focan A	1417
	7708
	40740
	43060
Focarile A	21109
	38094
Focke R	42589
Fodor G	10083
Fodor I	1850
	22557
	34389
	43091
Foehner H	8337
	31020
	33060
Foenander E C	53442
Foenander F	28371
	54845
Foerster F	13348
Foerster G E	77463
Fog D	32616
Fog-Petersen V	7482
Fogarty V J	23845
Fogarty W P	27480
Fogas I	94499
Foged J E	85260
Foged N	642
Fogel' D	2793
	19084
Fogel M	10362
Fogg G E	1338
	77526
Fogg J M	25710
Foggie A	10722
	79056
	81880
Fogh A W	13785
Fogle H W	17338
	33767
	69709
Fogliani G	87006
Foguet J L	59136
Fohrer J C	22095
Foil R R	37806
	46638
Foiles M W	2707
Foisnet G	32177
Foister C E	7196
	41618
Fojtik S	69535
Fokeev P I	18451
Fokeev P M	25273
	26365
Fokina A G	2839
	79582
Fokkenes B	26435
Fol R	44901
Folcher H	19821
Foley D C	49922
	49932
	86924
Foley D J	89010
	89011
Foley E J	27984
Foley J	83753
Foley R C	36608
Foley T A S W	71343
Folkertsen K	24868
	27607
Folkes B F	41103
Folkman W S	15209
	49573
	57717
	94662
Folley R R W	40570
	76254
Folley S J	11577
	63379
	79794
Folliot R	29587
	47078
Follis R H	86041
Folman Y	27816
Follmann G	8587
	59258
	87162
Folquer F	87627
Folsche G H	35913
	71358
Folse D S	45780
Foltanyi J	63687
Foltin H	82705
Foltin I	59421
Foltinek H	94216
Foltz V D	13744
Folweiler A D	44616
	44618
	53448
Fomenko I M	22842
Fomenko N K	6126
Fomenko Yu E	68667
Fomichev A M	73941
Fomichev V F	3128
Fomichev Yu	66451
Fomin A K	66059
	75461
Fomin I T	31114
Fomin K N	64831
Fomin V I	5664
Fomina A Ya	28268
	45967
	91490
Fomina K Ya	55177
Fomina S K	69343
Fomon S J	49721
	49734
Fomychev A	5752
Fomyuk M K	37620
Fonda M E	18571
Fondarai J	38256
	64469
Fondeville J C	8129
Fondo Ganadero de Antioquia S A	93779
Fong H H S	42957
Fong W	30777
	74971
Fons W L	35955
Fonseca F da	29297
Fonseca J A B da	55270
Fonseca J P da	40307
Fonseca O J M	32948
Fonseca V F da	49133
	49134
	49350
Fonseca W G da	40790
Fonshtein L M	42590
Font Quer P	33625
Fontaine	36234
Fontaine J	11309
	27339
Fontaine M	38457
	54748
	72616
	91200
Fontaine M P	54748
Fontaine R	11607
Fontaine R E	20635
Fontaine R G	61719
Fontaine W E	72708
Fontaine Y A	86357
Fontana A	70333
	70336
Fontana P	17965
	17966

	Item
Fontana P-- Cont	17967
	21780
	31551
	58972
	74696
	75529
Fontana V	18279
Fontanel C	65212
Fontanelli E	4247
	54370
	54462
Fontell C I	88831
Fontell I	78147
Fonteneau M	62763
Fonyedi K	36582
	72140
	91853
Food in Canada	74482
Foot A S	54479
	83720
Foote B A	12872
	55787
Foote B D	59868
Foote F J	60662
Foote H L	4794
	29183
	46674
	73421
	73422
Foote L E	3558
	3563
Foote N N	85808
Foote R H	73669
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Foote W C	72774
Foott J H	60158
Foott W H	64288
Forattini O P	29495
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Forbes I	1568
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Forbes I L	8546
Forbes J	73776
Forbes J O	9873
	43707
Forbes L G	6491
Forbes L S	11755
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Forbes N	80125
Forbes R	55546
Forbes R B	17968
	18043
Forbes R H	35790
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	79439
	89973
Forbes W H B	79382
Forbes W T M	5399
Forcellese E	54304
	90613
Ford A I	44885
Ford A L	53371
Ford C E	76833
Ford E A	15210
Ford E J H	36252
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Ford E M	67807
Ford G A	5400
Ford G H	20326
Ford G W	44368
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Ford H G	46786
Ford H R	81603
Ford H W	40973
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Ford J	12394
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Ford J B	82375
Ford J E	22192
	22200
Ford K E	93905
Ford L T	5401
Ford O W	2526
	44515
	61659
Ford P H	40341
Ford R E	24407
	41987
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Ford R L E	8024
Ford T F	22017
Ford T R	94631
	94632
Ford W A	10822
Ford W J	47346
Ford Z T	1657
	25526
	88792
Forde H F	41696
Fordham	73777
Fordham A	8957
Fordham A W	17939
Fordham R A	47079
Foreau G	24042
Foreman C F	54236
	90935
Foreman R E	18632
Forenbacher S	28105
	54623
Foreningen af Jydske Landboforeninger Planteavlsudvalget	43061
Regnskabsudvalget	40660
Foreningen for Dendrologi och Parkvard	9706
	9707
Foreningen Skogstradsforadling	10658
	71092
Forer G L	7621
	66260
Forest H L	65440
	74773
Forest H S	70337
Forest Farmer	53108
Forest History Society	8025
Forest Labourers' Co-operative Societies Conference	2543
Forest Photo Interpretation	2618
Forest Products Safety Conference	27005
Forestier J	43862
Forfang E G	49591
	49592
	67048
Forgacs J	53871
Forgash A J	20605
	82869
Forgason J	19644
Forget J	94756
Forgeteg S	43095
	60415
	60939
Forgues M	19471
Forjaz N G de M	22119
Forkel H	94217
Formal S B	20116
Forman L L	67440
Forman R T T	16594
Forman S A	70251
	81048
Formánek B	85186
Formica S D	72514
Formisano M	75439
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Fornaciari G	58581
	58642
Fornale L	23558
Fornari O E	72590
Fornaroli D	90904
Forni G	53745
Forrest G	85370
Forrest H S	21184
Forrest J D	42540
Forrester A T T	71809
Forrester J	31313
Forrester S	10904
Forrow K G	30365
Forsbacka M	53256
Forsberg F R	32876
Forsberg L	48113
Forsberg R A	16426
Forsby N	54666
Forschbach E	47725
Forschner E	31240
	48617
	65994
Forschungsgesellschaft fur Agrarpolitik und Agrarsoziologie	14853
	49136
	75821
Forschungsrat für Ernahrung Landwirtschaft und Forsten	57808
Forsee W T	17006
	17980
	18043
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Forsek Z	15597
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Fortushnyi V A	45657
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Foster A A	16003
Foster A E	874
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	Item
Foster A S	751
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Foster E M	47918
Foster G H	84441
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Foster H H	50164
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Foster J R	81548
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Foster J W	6037
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Foster L J	89416
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Foster R J	42630
Foster R O	6785
Foster S H	84032
Foster W H	9458
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Foster W R	33194
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Foster W T	53449
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Foster W W	13536
Fostikov A T	13105
Foteev S P	48201
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Fothergill L D	24132
Fotidar A N	18742
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Fott B	217
Fott B	32918
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Foucart G	58973
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Foulds E L	9090
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Foulkes J B	65542
Foulonneau C	65699
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Fournier R	28931
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Fowden L	9256
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Fowke V C	49847
Fowler D P	71201
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Fowlie J A	643
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Fox A S	88138
Fox C J	2193
Fox C W	4079
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Fradet A	91552
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Fradkina D L	88746
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Fraenkel-Conrat H	50483
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Fragoso A	13498
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Frahm H	19823
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Frais J	53138
Fraisse A	52347
Fraja L	18594
Frakes M G	1649
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Frakes R V	16427
Framberger M J	6266
Frame J	7591
Frame R W	75459
Frampton C S	10823
Frampton V L	7066
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France H L	4615
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France Centre National de Coordination des Etudes et Recherches sur la Nutrition et l'Alimentation	30578 32343 71763
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France Serv Regional de l'Oleiculture	15897
France Serv Technique Central de l'Hydraulique	78811
France Serv Veterinaire Sanitaire de Paris et du Dept de la Seine	45268
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Franchi N L de	39607
Franchoo J	62973
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Francis D R	44180
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	Item
Francis W B	39491
Francisco R de	31550
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Francke A	29996
Francken R	48757
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Franco J di	23476
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Frassoldati C	79102
Frateschi T L	63386
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Frauendorfer S	85372
Frauenstein K	50372
Fraunberger R C	90432
Frautschy J	30711
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Frazer P W	27169
Frazeur D R	6209
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Frederiks H H J	54929
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Frederiksen P L	76522
Frederiksen P S	6769
Frederiksen R A	68009
Frederiksen S	58974
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	Item
Freeman O L-- Cont	15318
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	Item
Freeman O L-- Cont	76323
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Freidlin M	49290
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Freiherr H	47454
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Freimuth U	39365
Freire C S da C	9367
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Freire E S	34472
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Freisberg E	32367
Freise H	7763
Freisling J	29298
Freitag J H	55401
Freitas A M de	7582
Freitas C F T de	38937
Freitas D C de	27786
	28106
Freitas J R de	29526
	29527

	Item
Freitas L M M de	70586
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French B O	2417
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French F E	23667
French G R	54306
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French H S	13891
French R B	48759
French R J	69536
French S A W	70003
French W L	55831
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Frenkel H S	19472
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Frérejacque M	69175
Freriks J H	14758
Frerking H	80277

	Item
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Frese H	44306
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Freshwater I T	17246
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Freysoldt E	53143
Freytag H E	33926
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Freyvogel T A	4487

	Item
Friars G W	91361
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Fribourg H A	25437
Fric F	9257
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Fricke E F	25438
Fricke K H	18948
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Friedman L	5933
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	Item
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Friend B	83514
Friend D J C	87630
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Friend J	9258
Friend M J	5402
Friend M T	79836
Friend R E	40780
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Friend W H	17318
Friends of India Committee	31667
Fries J	18789
Fries M	18
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Friesch Rundvee-Stamboek	71910
Friesecke H	4207
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Friesen B	20212
Friesen G	1047
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Friesen H A	43717
	43776
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Friesen H F	25316
Frieser E	65606
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Frieser E P	30779
Friess A	57242
Friess-Schultheiss A	84731
	84732
Friestad H O	4482
Frietema H J	39233
	76118
Frigerio M J	54387
	91078
Friggens P	10723
Frigot P	16913
Friis-Hansen B	4524
Frilli P	32432
Friml M	71690
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Frimmel G	8958
	10194
Frink C R	61125
Fripiat J J	17884
	17921
Frisby M E	2227
Frisch K von	12688
	15543
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Frith H	3648
Frith H J	33062
Frith L H	43635
Fritsch E	14238
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Fritsch R	3212
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Fritsch W	12767
Fritsche G	9816
Fritschi E	19825
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Fritschi R	45613
Fritz E	28269
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Fritz J C	54711
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Fritz M A	29580
Fritz R F	28843
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Fritz T E	72854
Fritz Z	71994
Fritz-Niggli H	21186
Fritzboger E	86164
Fritzen A	58057
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Fritzler B	7255
Fritzsch K	47369
Fritzsch R	26869
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Fritzsche J	80142
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Fritzsche M E	75918
Fritzsche R	1673
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Fritzsche W	14759
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Frizel D E	81494
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Frobe B	14973
Froehlich W	85691
	85692
Froehly M A	73469
	73470
Froehner H	6924
Froeschner R C	5226
	38294
Froger C	53905
Frogner S	25317
Fröhlich E	61896
Frohlich H G	39493
	39494
Frohlich H J	79195
Frohner W	44204
Frohner W	64929
Frolich E F	7488
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	87820
Frolik J	29827
Frolov A V	53511
Frolov G	36403
Frolov V	92694
	92753
Frolov V P	30071
Frolova G V	14495
Frolova I	72062
Frolova M V	94889
From A	55074
Fromantin J	77535
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Frome M	79057
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Fromenteau H	28653
Fromer R	18681
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Fromm D	48838
	48839
Fromm G	3449
Fromm K	49524
Frommes S	62492
Fronda F M	63233
	63353
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Fronek F R	41994
Froning G W	22753
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Fronius K	19145
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Fronk L E	46332
Fronk W D	46333
	46443
Frontali L	75741
Frontali N	12679
Froreich W von	85215
Froriep S	58120
Frorip G	45417
Froschel P	24581
Frost A	81945
Frost A J	80279
Frost D V	12291
Frost F M	94890
Frost J	6954
Frost J T	54052
Frost K R	49924
Frost N	32287
Frost O M	6738
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Frost S W	38182
Frost W T	52931
Froster G	15370
Frouin J	61355
Froyd G	62367
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Fruhstorfer A	35612
Fruin M F	6896
Fruit and Vegetable Canning and Quick Freezing Research Association	39746
	75182
Frumkin M L	7012
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	93635
Frumkis I V	92931
Frutchey C W	1851
Fry A W	70736
Fry B M	17521
Fry E G	31668
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Fry J L	54763
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Fry P C	23660
Fry R E	3884
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Fryar A J	14354
Fryc J	62767
Frydrych J	67317
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Frye R D	4354
Frye R E	14086
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Frye Casas A	17969
Fryer J D	38675
Frykman J L	35915
Fryman L R	36165
Frymire G P	4346
Fryrear J I	83226
Fryxell P A	50846
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Fu H C	45223
Fu Y L	37479
Fuad J A K	16004
Fuchimukai M	72432
Fuchinoue H	1981
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Fuchs C	59423
Fuchs E	82263
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Fuchs S	62252
Fuchs W H	42595
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Fuchser H	17038
	69346
Fuchsova J	74817
Fuchtbauer W	87631
Fucigna S	72308
Fuciman L	88270
Fudalewicz-Niemczyk W	81051
Fudge J F	26624
	26625
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Fuente R F de la	47889
Fuente R K de la	8959
Fuentes Fuentes S	86637
Fuentes N E F	93228
Fuerst R	24883
Fuerst W F	45910
Fuge R B	7127
	12025
Fuguitt G V	49575
Fuhler W	93105
Fuhren P	84613
Fuhrer-Anagnoste B	72225
Fuhrman F A	45239
Fuji T	9817
Fuji Y	73843
Fujie N	28141
Fujie S	27735
Fujii K	12355
Fujii M	9001
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Fujii N	82026
Fujii S	24990
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Fujii T	13440
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Fujii Y	33928
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	Item
Fujimori I	59722
Fujimori N	8960
	59871
Fujimoto K	73115
Fujimoto N	4846
Fujimoto R A	83990
Fujimoto Y	16125
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Fujimura J	42594
Fujimura K	31552
Fujimura T	6494
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Fujino S	13449
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Fujinuma Y	78359
Fujio M	16337
Fujio S	72242
Fujioka Y	26039
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Fujise K	25026
Fujise S	400
Fujishima T	28173
Fujishita N	68269
Fujita E I	60338
Fujita J	46092
Fujita K	16918
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Fujita Y	16906
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Fujiwara A	21298
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Fujiwara T	32640
Fukai T	61056
Fukala E	21721
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Fukala J	43606
Fukami J I	55180
Fukarek P	23964
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Fukasawa H	42208
Fukatsu R	77113
Fukaya M	12492
Fukazawa T	14428
Fukel'man L M	70877
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Fuks R	12026
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Fukuda M	47303
Fukuda S	66698
Fukuda T	13001
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Fukuhara S	48258
Fukui H	39813
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Fukui J	1048
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Fukui M	28107
Fukui Y	28310
Fukuma T	22951
Fukunaga K	441
	442
Fukunaga S	77590
Fukuoka M	78299
Fukushi T	81668
Fukushima H	93607
Fukushima K	5320
Fukushima S	22312
	22313
Fukushima Y	68865
Fukusho K	91008
Fukutani H	78642
Fukuto T R	4393
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Fukuzumi T	19187
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Fulbright J W	67050
Fulcher C E	59876
Fulcher G D	40743
Fulda	74350
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Fuleihan J	40693
Fulford J F	19473
Fulford M	8270
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Fulford R M	87632
Fulga E	38712
Fulga I C	51048
Fulga I G	24878
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Fulgham F E	35435
Fulgham R E	2194
Fulker E N	67276
Fulkerson R S	1569
Fullaway D T	4753
Fuller A H	56436
Fuller C E	39431
Fuller D J	34764
Fuller E C	94176
Fuller E I	57742
Fuller E J	57036
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Fuller G L	70853
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Fuller M S	33929
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Fuller R C	9259
Fuller T C	17692
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Fuller W H	9156
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Fullerton D G	4355
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Fullmer F S	52859
Fulmer H L	84289
Fülöp G	64746
Fülöp K	74038
Fulscher M	36404
Fulton J M	401
Fulton J P	50484
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Fulton N D	8443
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Fulton R A	4454
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Fulton R W	87014
Fumagalli A	24339
Funahashi S	9296
Funaioli U	40459
Funaki T	35271
Funakoshi S	71007
Funatsu G	69257
Funatsu M	69257
Funayama K	25132
Fundacion Shell	8136
Funder S	259
Funderburk H H	1049
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Funikov A	13313
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Funk A	32962
Funk B W	14097
Funk C R	43079
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Funk D T	10724
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Funkenbusch M	55336
Fur Age Weekly	6875
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Fur Farms Publishing Co	63118
Furdik M	12334
Furedi J	59359
Furgala B	12689
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Furgason R R	13893
Furihata H	55187
Furman A E	15489
Furman D P	12612
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Furmidge C G L	8120
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Furnival G M	10632
Furones Ferrero L	66794
Furr J R	8961
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Furrer A H	16601
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Furrer H	38889
Furrer J D	70017
Furse P	15739
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Furseth B O	44544
Fursov V N	9419
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Fürst A	16949
Furst A	42986
Furst G G	42209
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Furst L	69701
Furste K	77992
Fürstenberg F	85930
Furtenbach A	65508
Furthmann G	45418
Furthmann G M	36455
Furtick W R	1958
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Furuhata S	47853
Furukawa C T	12099
Furukawa H	1396
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Furukawa T	10725
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Furunes J	60520
Furunes M	45717
Furusaka C	26108
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Furusato K	33627
Furuta T	1801
	18281
Furuta T--Cont	24885
	44182
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Furuta Y	37913
Furuya K	39142
Furuya Y	5089
Furuya M	16907
Furry M S	6562
Fuscaldo K E	38183
Fuse G	2846
	2847
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Fuselli E	49432
Fushitani M	53573
Fushtey S G	402
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Fuska J	25214
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Fuss F	43898
Fussell G E	40571
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Fustec-Mathon E	59514
Futak J	8664
Futh G	43402
Futral J G	38718
	43732
Futrell G A	93574
Futschik J	30610
	30636
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Futsuhara Y	935
Future Farmers of America	49525
Oregon Association	94709
Wyoming Association	40898
Fux W	85974
Fye R E	4616
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Fyg W	20950
	37852
Fystro I	33199
Gaakeer J	1982
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Gaal J	69830
Gaal L	3226
Gaal M	46100
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	Item
Gaal S	62501
	62506
Gaalen H J van	25811
Gaarder K R	50662
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Gaarder R O	57269
	57270
Gaarder T	70252
Gaas A A	44924
Gaay F J P de	19
Gabai N M	82499
Gabai V S	79292
el-Gabaly M M	16602
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Gabbasov A M	43096
Gabbrielli A	70854
Gabeev V N	71094
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Gabel A A	19826
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Gabel E	57339
Gabelman W H	87634
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Gaber S	4502
Gabibov T	62652
Gabidullin V M	66632
Gabillard J	40381
Gabjan J	94199
Gabler H	29791
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Gabos D	27614
Gabouty E	61897
Gabrashanskii P	71751
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Gabriel-Robez-Kremer O	81993
Gabrielian E	41382
Gabrielsen	60770
Gabrielsen E	1774
Gabrielsen E K	8963
Gabrielsen J	43447
Gabrielson I N	10870
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Gabrielyan E Ts	41322
	41383
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Gabrielyan G G	87635
Gabriel'yants M A	6876
Gabris J	28412
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Gac A	65510
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Gacek K	91794
Gachinskii E V	14574
Gachon	88892
Gachon L	15635
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Gacsalyi M	65084
Gaczynska J	9818
Gadalin Yu I	37562
Gadalla S M	56051
Gadani G	27986
Gadbois P	89015
Gadd K R	62368
Gaddum J H	3900
Gade H	88551
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Gadea M	88345
Gadea Mantilla H	76446
Gadella T W J	68254
Gadet R	78341
	89498
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Gadgil D R	23083
Gadkari P D	16308
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Gado I	16920
Gado K	66225
Gadolin A V	90468
Gador J	70456
Gadsby D M	23386
	40764
Gadzhei E F	73161
Gadzhi-Zade F	73094
Gadzhiev A T	4919
Gadzhiev D M	56538
Gadzhiev G E	12546
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Gadzhiev Ya	72843
Gaede	10195
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Gaede T	55076
Gaedtke H	75440
Gael' A G	70177
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Gaertner A	42595
Gaertner E E	50584
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Gaertner K H	42105
Gaetzi W	58730
Gaevoi E	14409
Gaff D F	1050
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Gaffarov A K	3450
Gaffney H E	48203
Gaffney M	51513
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Gafford R L G	80871
Gagarina E I	70253
Gagel K	64920
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Gagliano I	80244
Gagliardi D D	30780
Gagliardi G	45969
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Gagliardi N C	33409
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Gagliardi P	80127
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Gagliero G	54260
Gagne J B	34889
Gagnefs Bostalle	76119
Gagnepain M	46537
Gagnidze R I	23965
	24508
Gagnon A J	6495
Gagnon C	1051
Gagnon P E	6496
Gagnot E	78602
Gagoshidze M S	26436
Gagstatter H	40818
Gahan J B	4590
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Gaher S	81699
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Gahne B	11578
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Gahon J B	28845
Gaiani A	23691
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Gaibov K	76324
Gaidar N A	62027
Gaidin M I	88833
Gaido J J	30781
Gaiduk A P	7248
Gaidukov G F	18452
Gaidukova L	59392
Gaie W	9943
Gaier R	27737
Gaignard R	94292
Gaikawad S T	44083
Gaikwad V	17118
Gaillard B D E	62885
Gaillard F	61819
Gailledreau C	35130
Gaimari F	71995
Gain B	94219
Gainer J H	3451
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Gaines J A	27626
Gaines J C	12467
	12731
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Gaines T B	4592
Gainor C	51478
Gainullin T R	36583
Gainutdinov M Z	51126
Gainutdinova N A	10858
Gair R	37651
Gairola B B	22844
Gaitan Fossi F	78190
Gaitonde R D	31515
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Gaivoronskaya L S	86639
Gaivoronskaya Z M	60655
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Gaivoronskii V G	8130
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Gajan R J	22332
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Gajapathy C	59425
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Gajda J	88553
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Gajic D	51088
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Gajo P	44619
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Gajzago O von	76525
Gak D V	13427
Gakichko S I	66015
Gal J	26962
Gal Oya Development Board	49144
Galachalova Z N	68671
Galaidina I	19057
Galakhov N N	70738
Galakhova V E	45065
Galambos J	64946
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Galan C de	18453
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Galan-Fabian D	34142
Galand P	34031
Galanos A	23478
Galanos D S	40041
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Galantsev D V	44925
Galas'ev V	53491
Galateanu I	90306
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Galbraith J S	43718
Galbraith N S	39432
Gal'chenko I N	9325
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Galeotti A	90905
Galeotti C	17569
Galesloot T E	6331
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Galesloot T E-- Cont	13845
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Galetenko S M	12547
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Galinato P F	71213
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Galinskaya M S	43335
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Galizzi-Vecchiotti A G	81218
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Gallagher P J	4484
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Gallahue E E	56997
Gallai E	7764
Gallander J	85014
Gallant M N	10606
Gallatin M H	1142
Gallaway B M	43899

	Item
Gallay R	17369
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Gallego M V	84448
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Galli I O	90906
Galli P S	31356
Galligani G	45269
Gallin B	58121
Gallina L	3452
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Galloway Cattle Society	36405
Gallun R L	28977
Gallup G	49462
Gallup W D	63432
Galmarini O L	39119
Galmiche J M	60313
Galochkin A I	46415
Galochkin I	76003
Galoppini C	25219
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Gal'perin M I	44926
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Galston A W	16907
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Gal'tseva V	83747
Gal'tsov A P	26437
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Galun R	5180
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Galusca E	27738
Galushchak G G	2909
Galushinskii A	24322
Galushkina N A	14459
Galushko A I	15740
Galushko E	38611
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Galuzo I G	62369
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Gama M V da	10196
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Gamal-Eddin F M	82380
Gamalitskii V	47455
Gamayunov M	85515
Gamayunova M S	52534
Gambaro P F I	12923
Gambaryan P P	87270
Gambet P	66327
Gambi G	35791
Gambia	49593
Gambia Oilseeds Marketing Board	14460
Gambino O	36954
Gamble E E	50847
Gamble M A	70131
Gamble S J	10208
Gamble W K	49460
Gambles R M	5604
Gamboa J	55319
Gamboa Pierola A	23160
Gambogi P	33200
Gamburg K Z	87637
Gamcik P	91009
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Gamoty	93907
Gamper N M	81654
Gams H	58582
Gan A I	7057
Ganapathy P S	8787
Ganbuli B N	44811
Gancarz B	90619
Ganchev S	58583
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Gandarillas H	1853
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Gandhi R M	22678
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Gandia-Diaz H	78703
Gandil C	70989
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Gandras R	19906
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Gane R	84879
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Ganelin A M	5890
Ganenko I G	1775
Ganer R J	69048
Gangel H	11569
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Ganger Gy	83531
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Gangrade G A	4618
Gangstad E O	17155
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Ganguly D	77648
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Gangwere S K	21453
Ganiev I M	37230
Ganiev M S	13234
Ganiev T K	92006
Gannushkin M S	11251
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Ganowicz M	72389
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Gans J H	3114
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Gansner D A	79517
Ganssen R	18161
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Gantier J	84880
Gantner Gy	91931
Gantsevich A I	45128
Ganya I M	55483
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Ganyushkina S M	62769
Gaobov A	72843
Gaon J	28846
Gaplevskaya L	20714
Gaponekov T K	94037
Gaponenko V I	68672
Gaponenko V S	89453
Gaponov N N	54309
Gar K A	18865
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Gara R I	5045
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	55723
Gara Kostinbrod Tsentralen Nauchnoizsledovatelski Institut po Zhivotnovudstvo Georgi Dimitrov	27251
Garambois X	29962
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Garan'ko M	13259
Garaudeaux J	52752
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Garay A S	9132
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Garay L A	15741
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Garbe H G	72193
Garben R	47590
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Garcia O B de	77427
Garcia R C A	89069
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	23661
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Garcia-Lagos R	52631
Garcia Lozano F	26439
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Garcia-Maurino y Riesgo J	85975
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Garden Club of America	1776
Gardenhire J H	12450
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	Item
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Gardusi A	13296
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Garfine V	34227
Garfinkel D	77314
Garg J S	31946
Garga R P	8589
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Gargiullo F C	23009
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Garratt P G	7043
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Garrecht H	74652
Garrelds H H	57413
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Garrutti R S	78265
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Garwood E A	16506
Garwood J D	49027
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Gates C T	24886
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Gates D W	19899
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Gaudio S del	17319
Gaudrat P	19475
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Gaufin R F	82871
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Gaumnitz M G	47618
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Gaunt S N	13692
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Gausman H W	16606
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	Item
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Gava M	26910
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Gavagnin L	35486
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Gavrichenkov A I	11252
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Gavril'ev I	30075
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Gavrilov V I	19476
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Gavrilova V A	88136
Gavrilovic S	10445
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Gawler J H	48325
Gawlik S R	42302
Gawlowski T	62184
Gawronska-Kulesza A	69328
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Gawrych S-- Cont	85024
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Gayles A R	23479
Gaylor W G	59836
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Gaynor A I	54585
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Gayral P	32902
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Gazonnaud P	8026
Gburczyk J	90835
Gdovin T	91690
Gdovinova A	91556
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Gebauer H	5845
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Gebauer O	3456
Gebert H	91069
Gebgardt A G	61200
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Gebhardt J D	1571
Gebler J	75743
Gecolea R H	54702
Gecova A B	29496
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Geczy G	49389
Gedda L	39459
Gedde-Dahl T	29883
Geddert H	3116
Geddes H J	69537
Geddes P H	39144
Geddes W F	65890
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Gedz N I	62055
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Gee R	59945
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Geer B W	5090
Geer J C	3563
Geering Q A	63740
Geerken H F	6367
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Geert-Jorgensen J	54100
Geertsema F de K	57145
Geertsema G	83445
Geessink E F	57414
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Gefahrt J	11099
Gefriertrockungs-Tagung	83532
Gegenava G V	86796
Gegenbach W H	49304
Gehle H H	65871
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Gehle M H	72575
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Gehrig E J	6773
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Gehrke C W	13757
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Gehrke-Marten G	65037
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Geigenmuller H	36587
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Geise H	59735
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Geisenheim Hessische Lehr- und Forschungsanstalt fur Wein-Obst- und Gartenbau	1664
Geisenheyner R M	78997
Geisler M	55724
Geisman J R	57065
	65788
Geiss A E	74837
Geissler F	85287
Geissler H	54764
Geissler T	34891
	49794
	77542
Geissman T A	60314
Geisthardt G	64040
	73336
	73337
	73338
	73339
	73340
	73341
Geisy W R	7197
Geiszler G N	53570
Geitler L	753
	33931
	59427
Geitzenauer K	64947
Geizer R I	75104
Gelabert L MG	59884
Geldermalsen M van	81756
Geldof W	9615
	13173
	60627
Gelenov A	88347
Geleynse J	93144
Gel'fand E D	90446
Gel'fandbein P S	9586
	78065
Gel'fenbein S	64948
Gel'fenbein S P	47289
Gel'fman I V	60941
Gelin O	9819
Gelinas L P	31491
Gellatley J G	20836
	46446
	55486
	92066
Geller G	93584
Geller I A	26103
	61128
Geller I T	89533
Geller L	49722
	84453
	86073
Geller M M	85516
Gellerman J L	7096
Gellerman Ya M	1055
	8966
	87641
Gel'man N S	58400
Gelmetti L	5645
Gelovani D M	27310
Gelpi A J	56759
Gelting J H	31669
Gel'tman V S	58724
	68112
	71294
	86520
Gel'tser F Yu	78424
Gel'tser Yu G	10072
Gemahling E	36947
	63193
Gembloux Institut Agronomique de l'Etat	23834
Gemeren P van	7593
	13195
	21669
	21670
	47595
	51870
	57037
Gemignani G	79294
Gemma T	88727
Gemmell W M	23010
Gemming E	19655
Gemperli L	26740
	26809
Genazzani E	68675
Genchev P	90840
Genchev S	87719
Genckan S	84194
Gend H van	57395
Genderen H van	5999
	74484
Gendreau L A	91310
Genduso P	92166
Geneidy A A	54310
Genevois L	94803
Gendler L F	27006
Gendreau L A	28091
Genel' S V	74497
Generalov G F	43607
Genereux H	33205
Genest C	21781
	74407
Genetics Society of America	7977
Geneve R	58453
Geneves L	8726
	23863
Genevois L	30367
	36176
	42357
	42962
Genhardt H	93401
Genin G	6211
	30641
	83898
Genin S A	6706
Genis D E	55064
Geniusz J	74256
Genkel N A	59885
Genkel' P A	33932
	48973
	87642
Gennaro J F	3471
Genootschap voor Landbouwwetenschap	49530
Genotelle J	14590
Genoud J F	14323
Genovese E D	84559
Genovesi B	90620
Gent A N	31487
	31492
Gent P J	5404
Gent Rijkslandbouwhogeschool	40592
Genter C F	69318
	88433

Genthe M K 21336
Gentile A C 9261, 59769
Gentile G 54311, 80541
Gentleman V 20715
Gentner W A 52212
Gentry G A 63147
Gentry H S 25971
Gentry R F 72717
Gentry W T 7052, 22215
Genung W G 5319, 20716, 63903
Genys J B 86443
Genz E 80283
Genzsch E O 8344
Geoffrion R 33206, 37715, 77109, 81757, 86797
Geoffroy R 22474, 31119, 39814, 39815, 74905, 84454
Geological Society of America 86310
Georg J G 77044
Georg L K 33013
George E J 26963
George J 2895, 27103, 35962, 37812, 44961, 44986, 45117, 56983
George J A 4356, 41989
George J C 13058, 28272, 45857, 45858, 45970, 45971, 45972, 45973, 46787, 54765
George J D 62562
George J E 9992, 12768
George J L 4344
George K V 59040
George M 801
George M G 42106
George M H 7124
George M P 18843
George M V 56595
George R S 4488, 4489, 4490, 13079, 73866
George S C 22527
Georgescu D 91664
Georgescu M 52087
Georgescu R 75919, 75959
Georgescu S 94062, 94063
Georgeson E 74277
Georghiou G P 4357, 12411, 28758, 28849, 28850, 46335
Georgi C 94968
Georgi C E 80421
Georgia Dept of Agriculture Div of Entomology and Plant Industry 47694, 48974
Georgia Forest Research Council 26669
Georgia State Soil and Water Conservation Needs Inventory Committee 78932
Georgiev A 35096, 44185, 57146
Georgiev D 87643
Georgiev G 36389
Georgiev G S 10871
Georgiev I 36177, 36178, 37321, 37322, 37323, 37324, 37411
Georgiev K 90727
Georgiev Kh 16422, 87644, 88793, 89793
Georgiev N 15174
Georgiev R 72145, 72146, 80284, 80285
Georgiev T 58646
Georgiev V 25233, 34310
Georgieva-Todorova I 24889, 25502
Georgievskii I S 56067
Georgievskii N P 61821
Georgievskii V I 20215, 63282, 63283
Georgijevic E 12638
Georgijevic E 29142
Georgopoulos S G 50308
Georgoulis E B 53111
Geraci F 52936
Geralavicius V 3117
Gerard C J 981, 8904, 10185, 10213, 10365, 18164, 26266
Gerard L 18616
Gerard R 39816
Gerarde D F 38892
Gerarde H W 36318, 38892
Gerardo J A 23694
Gerasch G 20494
Gerasenkov B 78763
Gerasenkov B I 75296
Gerasimchuk V G 21634
Gerasimenko I I 16908, 58647
Gerasimenko P I 90192
Gerasimov I P 2195, 35231, 35487, 78486, 89581, 89582
Gerasimov M A 30368
Gerasimov M V 15743, 61822
Gerasimov N V 82945, 92754
Gerasimov S 5753, 13235, 89143
Gerasimov S A 74057
Gerasimov V A 59886
Gerasimova A M 66252
Gerasimova I P 933
Gerasimova N G 92019
Gerasimova Z A 42601, 88834
Gerasimova-Navashina E N 59428, 68256
Geras'kov N I 13357, 47557, 83249
Gerber H 27987, 49433, 80542
Gerber J 8345
Gerber S P 13633, 30369, 39146
Gerchikov N P 62563
Gercke F 40791
Gerdemann 50238
Gerdemann J W 52596
Gerdes F L 13944
Gerdes G 33933, 43098, 51055
Gere G 64289
Gereb E 26441
Gerechter Z 439
Geremia G 23051
Gerencser A 52937
Gerencser V 28178
Geres V 36684, 72416
Gerhardt P D 28979, 46494
Gerhardt R W 29497
Gerhold H D 73369
Geric I 87588
Gericke A M 80909
Gericke J J 3490
Gericke S 2278, 10481, 35318, 78604
Gerigk K 39914, 48619, 48673, 84728, 93807
Gering Kh 24890, 60315
Gerisch G 24584, 33631
Gerke R 92907
Gerl F 23137
Gerlach J C 1983, 25581
Gerlach L P 86074
Gerlach W 8445, 24585, 77110
Gerlach-Richter H O 87015
Gerling J 17441, 69831
Gerloff J 41512, 58758
Gerlova M 60867
Germ H 41622, 87645
Germain R 23967
German M E 13236
German Ya B 55484
Germann G 85023
Germanov B 92873
Germany (Democratic Republic) Ministerium fur Land und Forstwirtschaft 61039
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Abteilung Wissenschaft und Agrarpropaganda 14974
Sektor Agrarpropaganda 64880
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Bezirksstelle Gross-Berlin 56505
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Germany (Federal Republic) Kuratorium für Technik in der Landwirtschaft 74211
Germany (Federal Republic) Land- und Hauswirtschaftlicher Auswertungs- und Informationsdienst 56068
Germany (Federal Republic) 26626, 39410
Ministerium für Ernährung Landwirtschaft und Forsten 40711, 56506, 66281, 66530, 66531, 76004
Deutscher Pflanzenschutz Dienst 58837
Germany (Federal Republic) 7870, 14203
Statistisches Bundesamt 21913, 26627, 30319, 39017, 40976, 40977, 49594, 56507, 58258, 64949, 65260, 65261, 65297, 93177, 93178, 94759
Germanyan N M 43489
Germing G H 89144
Gern A 25812
Gernhardt L 56470
Gernits O O 90052
Gernon G D 75441, 75471
Geroff K 4252
Gerola E 19832, 45590, 54641
Gerolt P 4358
Gerov A 62686
Gerov A P 54168
Gerov K 11253, 12306, 90991, 91532
Gerra M 14721, 49042
Gerrard D J 71047
Gerriets E 11948, 28273, 54713, 72610, 80813
Gerring J C 91153
Gerris V 55947
Gerritsen G C 91612
Gerritsen J C 48870
Gerritsen L G 14153
Gerry R W 80744, 80745
Gersch M 29244, 82823
Gersdorf E 20717
Gersdorff R von 14703
Gersdorff W A 4359, 28851
Gershenow H J 65582
Gershenzon M I 71408
Gershenzon S M 20981
Gershman M 45960, 45974
Gershoff S N 32435
Gershon D 24707, 33770
Gersonde M 19176
Gersons L 32467, 75158

	Item
Gerspach K	74278
Gerstel D U	42347
Gersten B	34056
	80099
Gerstenfeldt H	42751
	83332
Gerth A	2089
	43900
Gertler A	30697
Gertler S I	29060
Gertner M	19584
	62923
	71769
	91104
Gertsch W J	55674
Gertsenshtein R S	19648
Gertych Z	46548
Gertzuskii D F	25363
Gervais C	78635
	86311
Gervais M	85374
Gervais P	18283
	44186
Gervasini C	84744
Gerwig C	37421
	81193
Gerwig J L	7222
	34350
Ges'D K	77010
Geschwind R D	32131
Gesell J A	11879
Gesell S G	23721
Gesellschaft für Ernahrungs-physiologie der Haustiere	27252
Gesellschaft zur Verbreitung Wissenschaft-licher Kennt-nisse	31225
Geser G	51056
Geshele E E	86798
	88348
Gesheva R L	67611
Gesinga R	90025
Geslin H	33065
	86241
Geslin M	39042
	76716
Gessel S P	51404
	78487
Gesslein S	67691
	88349
	94949
Gessner A L	7823
	40915
	56820
	58217
	67000
	67008
	76475
	93454
Gessner L K	27118
Gest H	1178
Gesteland R	36525
Gesundheit Z	77543
Getchell J S	51921
Getsinger J G	26637
	78998
Getsova A B	64238
Getsova G V	27310
Getta G	81499
Getta Ya	1674
Gettrup E	38530
Getty R	4285
	62701
Getz M E	75097
	75098
Getzendaner M E	14243
	74906
Geurden L M G	27742
	63105
Geurts R	92438
	92439
Geus J G de	26255
	78605
Geus L H de	4040
Geuting H B K	66329
Gevlich O P	46634
Gevorkyan E A	88794
Gevorkyan Kh S	93209
Gevorkyan Z A	83046
Gevrey J	19477
Gewehr H	70465
Gey H	94220
Geyer H	17580
	71770
Geyer H G	3118
Geyer K	27524
Geyer R E	7765
	23011
	32082
	32179
	40820
	40821
	85517
Geyer R P	32468
Geyer S	72309
Geys K	57147
Geze B	15544
Gezelius L	30091
Gfeller F	876
	17581
	43608
Gfeller H	22360
Gfeller R	36450
Ghaffar A	41780
Ghag A S	31493
Ghai S	38049
Ghamrawi A K	77111
Ghana Central Bur of Statistics	48995 58473
Ghana Cocoa Marketing Board	74597
Ghana Farmers' Council	32241
Ghana Ministry of Agriculture Div of Agri-culture	40460 86640
Ghana Scientific Serv Div Soil and Land-Use Survey Br	15637 17865 18165
Ghana Registrar of Co-operative Societies	23560 76476
Ghandhi S M	8444
Ghani A F A	53876 53877 53878 53879
Ghani M A	46582
Gharagozlou I	64725 82872
Gharatchehdaghi C	8967
Gharib H M	45271
Ghatak J	877
Ghauri M S K	5215 21281 73739
Ghawamsadeh G	57818
Ghei V N	10715
Gheiking A	94087
Ghent R	4916
Ghent R L	4797 29184 47081
Ghent Centrum voor Onkrui-donderzoek	89299
Gheorghe M	10957 71433
Gheorghe S	26442
Gheorghe V	39005
Gheorghieff J	10526
Gheorghiu A	87273
Gheorghiu E	55510
Gheorghiu I	28654 28655 28686 36256 37398 91342 91343 91826 91857
Gheorghiu T	93433 93434
Gherasim V	89748
Gherghi A	51057 51294 51295
Gherman N	34456 43177
Ghetti J L	56838
Ghiani P	45975 45976
Ghilarov M S	20577 21015 29245
Ghildyal B P	10059 78344
Ghillini C A	58838
Ghimicescu G	65074
Ghinelli I	6955
Ghircoiasiu N M	46084
Ghisa E	67195
Ghisio G	65873
Ghisleni P L	9708
Ghitti C	83899
Gholston L E	52815
Ghoneim A	81008
Ghorpade M B	74458
Ghosal S	9242
Ghose B C	23600
Ghose B N	110
Ghose R L M	17040
Ghosh A	63318
Ghosh A K	7181 42602 43650 87462
Ghosh B N	9292
Ghosh D P	71604
Ghosh G C	14015
Ghosh G R	8302 24084 32964 50127
Ghosh H S	30855
Ghosh K	16671 50901
Ghosh N R	77478
Ghosh P C	10105
Ghosh P K	19510
Ghosh P N	59887
Ghosh R B	77369
Ghosh S	45252
Ghosh S K	94380
Ghosh S N	66374
Ghosh S S	20 41265 45148
Ghosh T	87826
Ghouri A S K	21454
Ghouse A M	94130
Ghuman G S	78488
Ghysen J	47646
Giacalone P	76816
Giacanelli E	22475
Giacanelli G	75297
Giacobbe A	8968 67385
Giacomelli C	73471 82029
Giacomelli R	66142
Giacometti D C	60657 88867
Giacomini V	23775
Giacomoni A	70739
Giaever H	94381
Giannardi G B	7042 84790 93908
Giannesini	39608
Giannesini J P	93536
Giannetto F	16
Gianni G	14154
Giannini Foundation of Agricultural Economics	40252
Giannotti D	11412
Giannotti O	28970
Gianordoli M	87274
Giardini L	52213
Giavarini I	76631
el Gibaly H	26443 52938
Giban J	50176 50177
Gibassier I	89021
Gibbard H A	89974
Gibbens R P	1611 25440
Gibbon A W	78191
Gibbons C F	4754
Gibbons J R	31953
Gibbons R A	62623 71966
Gibbons S J	31372
Gibbons W J	12248 27342 80286
Gibbs A J	547
Gibbs C B	10659
Gibbs E	48449
Gibbs G W	82710
Gibbs H C	81054
Gibbs H S	78489
Gibbs J C	94804
Gibbs M	34210 60312 69164
Gibbs R D	51481
Gibbs S P	42214
Gibbs R D	1386
Gibert Y	40978
Giberti H	22623 57819
Gibes C	72713
Gibor A	57615
Gibshman M	39353 56738
Gibson A H	2131 77428
Gibson A W	85835
Gibson C	32070
Gibson E A	19451
Gibson E J	70541
Gibson F A	91956
Gibson G	4798 22548 37854 48589
Gibson G B	58151
Gibson I A S	403
Gibson J A	10040
Gibson J B	46932 55824
Gibson J N	35559
Gibson K D	9262
Gibson L P	21278
Gibson P B	68440
Gibson R	75876
Gibson R R	7421
Gibson T	11165
Gibson T E	3079 11225 37238 46136 81055 81056
Gibson W	43371 49320 70740 70741
Gibson W D	72461
Gibson W L	23388 49362 49390 85518 85786
Gichner T	42963
Gidalevich M G	75192
Giddens J	44307 70881
Giddey C	56344 56539
Giddings P G	93455
Giddings S A	26628
Gidwani H M	43490
Giedrojc B	78286
Gielfrich M L	22657 70244
Gielink A J	767
Gier H T	37579
Gierat K	8892 59888
Gierczak M	24993
Gierer J	79602
Giering H	94378
Gierke K von	10279
Gierløff B	45272
Gierloff B C H	19478 28142
Gierloff C H	36406
Giermak E	65391
Giermak E A	13725 13795 22062 56705
Gierschik H	19479
Giertych M M	1056
Gieruszynski T	10633 35654 44673
Gieryng R	4995 82520
Gies R W	81500 81501 81581
Giese A C	45239
Giese H	56288

	Item
Giese W	28476
Giesecke D	54265
Gieskes J M T M	33460
Giesler F J	23257
Giessler H	27253
	28601
Giessner K	78849
Giesy R M	87275
Gifford D	55948
Gifford E M	23899
	33380
	50691
Gifford E W H	62132
Gifford R H	69029
Gifford W	62541
Gifft H	23651
Gigante L	40822
	85847
Gigarevic I A	14461
Gigauri G N	90113
	90126
Giggord E M	754
Gigineishvili L A	30394
Gigineishvili N S	28413
	91630
Gigland C H	91474
Gignac T	44927
Giguere J	27119
Giherd P	70742
	78813
Gikalo E A	69934
Gikalo G S	69934
Gikashvili K G	86799
Gil L	29835
	74212
	83091
Gil Collado J	55279
Gil Garcia C	63306
Gil Montero J	48590
Gil Montoya L	85153
Gil Z G	87111
Gilbart D	84323
Gilbert A B	11949
	72462
Gilbert D	45591
Gilbert E	88896
Gilbert E F	1057
Gilbert E J	93575
Gilbert F	10826
Gilbert F A	1697
Gilbert H	3041
Gilbert H A	7491
Gilbert I H	81503
Gilbert J	42516
Gilbert J C	78148
Gilbert J M	26870
Gilbert L I	38509
	55633
Gilbert N	16429
	16430
	50851
	91779
Gilbert R B	11941
Gilbert R W	20712
	22137
	44519
Gilbert W J	218
	24059
	50113
Gilbertons B	4799
Gilbertson H W	49462
Gilbertson R I	67596
Gilbertson R L	8210
	8292
	67617
Gilbreath J C	45886
	54688
Gilbreath L	91154
Gilchrist F M C	91691
	91708
Gilchrist J A	85634
Gilchrist J W	89017
Gildemeister E	7044
	22679
	84791
Gilden E E	2753
Gildenhuys P	42358
Gil'dshtein N N	48760
Giles A K	85519
Giles B G	65995
Giles C H	93490
Giles E T	5606
Giles G	17442
Giles J A	16431
	33771
Giles J B	78345
Giles J W	36753
Giles P	20578
Gileva E A	16751
Gilewski S	30592
Gilgut C J	41660
Gilinskii I A	5891
Giliomee J H	4996
Giljarhus E	74257
Gilkes C D	4512
	4513
Gilkeson R H	52649
Gilkey H M	50128
	76943
	86444
Gill A H	15078
Gill B S	4021
	11254
Gill D L	16737
	24236
	24891
	59889
Gill D S	76403
Gill E	91535
Gill F A	6204
Gill G S	35374
Gill H S	379
Gill J P	47728
Gill J W	37039
Gill M E	88880
Gill P A	66096
Gill R A	56864
Gill R E	7978
	7979
Gill T	28759
Gill T S	14868
	44657
	52235
	79143
Gill W R	59890
	64832
Gillain J	3261
	72268
Gillam D S	27007
Gillard A	8627
	16166
Gillaspy J E	55884
Gillen M	76120
Giller Yu E	42748
Gilles E	94382
Gilles G L	67813
Gilles K A	22524
	31091
	65933
	75298
	75353
	84455
Gillespie B J	86300
Gillespie J	83499
Gillespie J H	11564
	20009
	81266
	56865
Gillespie J H--Cont	84037
Gillespie J P	58731
Gillespie L	40383
Gillespie N	60765
Gillespie P J	45592
Gillespie R H	6497
Gillespie W H	32641
	34975
	86300
Gillespy T G	47782
Gillet	37759
Gillet A	8898
	59804
	79603
Gillet C	59429
Gillet H	9461
	86445
Gillet N	38460
Gillett C A	27085
Gillett J B	41384
	41385
	67319
	67441
	67442
Gillett J D	20623
	21012
	21255
	46420
	46977
	81612
Gillett J M	111
Gillette C R	52303
Gillham M E	648
	649
Gillham N W	77429
Gilli A	58648
	67386
Gilliam D R	36581
Gillier P	22680
Gillies A J	6212
	6213
Gillies C B	90379
Gilliland H B	16311
Gilliland R B	32965
Gillis J A	31120
Gillis M B	72657
Gilljam J	22207
Gills M G	90585
Gillum J H	3703
Gillwald W	62227
Gilman J C	15852
Gilman J H	1547
Gil'man Z D	12207
Gil'manov I G	25573
Gilmar E	91331
Gilmartin G	22909
Gilmer R M	548
	549
	68011
	87016
Gilmer W D	90410
Gilmore A R	19336
	35701
	35702
	44826
	53223
Gilmore C E	63083
Gilmore J E	4681
Gilmore L E	25528
Gilmore L O	13766
	36407
	45454
Gilmore T R	1848
Gilmore T V	87646
Gilmour D	12732
Gilmour D G	63284
Gilmour E F	4997
	64342
	92360
Gilmour E F--Cont	92361
	92362
	92363
	92364
Gilmour E G	12809
Gilmour J S L	9555
	15744
	86393
Gilmour N J L	37258
	63471
Gilpin G L	31277
	57264
Gils C A M A van	9574
Gils J H J van	94891
Gilson P	26189
Gilst W J V	61516
Gilstrap M	41100
Giltz M L	328
Gilyarov M S	28980
	29143
	44009
	91957
	92655
Gimadeev K H	13128
Gimbo A	11756
Gimenez Landinez V M	14869
Gimenez-Martin G	59430
	59431
Gimesi A	70035
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Gimingham C H	33492
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Ginailo F T	78814
Gindel I	42107
Gindich O V	79197
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Gingrich R E	38295
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Gin'ko G M	92874
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Ginns R	34753
Gino B	26256
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Ginsberg A	54053
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Ginsberg L	48438
Ginsburg O	33115
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Gintovt V E	45911
Ginzburg A	62370
Ginzburg A G	53880
Ginzburg M	16006
Ginzburg Ya	85534
Ginzburg Ya M	7594
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Giordani-Soika A	29616
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Giordano G	79112
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Giorgi D	46706
Giorgi D--Cont	73472
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Giorgi E	22299
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Giorgi M C di	87647
Giorgi R	41077
Giornate Fitopatologiche Bologna	77046
Giosan N	68257
Giosca T	85216
Giovagnoni G	53881
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Giovaneli N E	55078
Giovanelli G	78032
Giovannini E	10026
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Giovannozzi-Sermanni G	66105
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Gipson J R	86270
Giradeau J R	79532
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Giraldo Gallo A	78933
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Girenko P P	88098
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Girotto G	18333
Girotto V	45969
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Giroud M P	20381
Giroud P	28852
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Giroux R N	13846
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	Item
Girtler T R	81946
Girton C	39673
Gisborne J H	51592
Giscard R	77943
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Gisiger L	8446
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Gisinger E	15433
Giskes P	23777
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Gita H	26063
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Giudici P	10366
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Giulivi C	52145
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Giuriani C	33346
Giuseppe F di	80543
Giuseppi M	30898
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Giveon T	87017
Givulescu R	41323
Gizatova A	69935
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Gizhitskii Ya K	37807
Gjaerevoll O	58502
Gjaerum H B	16007
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Gjati S	51752
Gjedrem T	6984
Gjeldokk E	93067
Gjerde I	64973
Gjernes O	66456
Gjerstad G	34274
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Gjesvold A	30648
Gjønnes B	20054
Gjurasin B	62655
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Glabau C A	6776
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Gladilin K L	88229
Gladkii M	70543
Gladkii M F	17041
Gladkii N P	89018
Gladkov I M	11255
Gladkov N A	49929
Gladkov N G	13269
Gladkov P F	72772
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Gladstones J S	91692
Gladwyn L	32368
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Gladyshev S S	59751
Gladysheva L E	92293
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Glaessner O	6498
Glagolev P A	45675
Glagolev V A	73326
Glahn H O	49146
Glanc K	32898
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Glantz P J	90621
Glaps J	72962
Glaria O H	60671
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Glasby A	91495
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Glaser H	70945
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Glass R L	65890
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Glasziou K T	51058
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Glatzel H	76616
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Glen R	73060
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Glennie D W	52715
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Glew D R	79420
Glew G	48052
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Gligorijevic J	28156
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Glock W S	21
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Godfrey R K	112
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Godhania A L	16630
Godin P J	88128

	Item
Godin V	79513
Goding J R	19464
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Godman R M	35761
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Godwin M C	7792
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Gojmerac W L	55536
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Gokhale A V	76836
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Golaszewski T	16968
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Gold A H	546
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Goldacre P L	1059
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Golden S M	14523
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Gol'din R B	63802
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Golovnyak Yu D	22854
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Golseth R	40047
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Gol'tsev V P	65121
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Golubev V N	756
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Golubinskii E D	60418
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Gomein R B	94201
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Gomes F P	1854
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	Item
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Gonetowa I	1262
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Gonik A A	19099
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Goossens A	60767
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Gorbachevskii V A	53512
Gorban' D V	85026
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Gorbitz R A	77271
Gorbovskii V A	9542
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Gorchakovskii P L	18951
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Gorenshtein R S	29075
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Goret P	3119
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Gorling P	57023
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	30713

	Item
Görlitz H--Cont	43152
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Gorlo G V	30370
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Gorobchenko M F	36487
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Gorodetskii A S	35319
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Gorrie R M D	18572
Gorrieri E	7824
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Gorshenin N M	89977
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Gorskii A M	33498
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Gorsline G W--Cont	60467
Gorst P G	15319
Gorter C J	51065
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Goswami P C	19261
Goswami S K	40823
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Gothe H	16009
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Gotlands Lans Hushallnings-sallskap	15491
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Gouin M	40824
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Goulas-Scholler C	65501
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Gourley I M G	3663
Goursat M J	8729
	42216
Goursat M J--Cont	59436
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Goutier R	8973
Goutier-Pirotte M	8973
Goutor J R	30788
Gouttenoir G	21016
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Gouws L	91708
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Graap H	38940
Grabarczyk S	89886

	Item
Grabarov P G	43948
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Grabell I	36860
Grabenhorst D	38690
Grabenhorst G	56385
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Grabouski P H	9358
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Graddon W E	32969
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Grain and Oilseeds Merchants' Association	22476
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Grapefruit Admin Committee	14087
Grapefruit Advisory Board	14087
Grapefruit Program Committee	51938
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Graver W E	26670
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Gravert M	27528
Graves A H	6780
Graves C E	48053
Graves C H	408
Graves C R	26220
Graves D	85217
Graves L B	59897
Graves P E	66742
Graves R C	93962
Graves R J	56721
Graves R L	30174
Graves W E	331
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Gravesen J	63133
Graville G du D de	94293
Graving L W	40980

	Item
Gravir K	36453
Gray A	89020
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Greaney F J	33066
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Gt Brit Agricultural Land Commission	85521
	85522
Gt Brit Agricultural Research Council	13337
	13338
	22477
Radiobiological Laboratory	47990
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	83461
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Gt Brit Board of Trade	83581
Gt Brit Central Off of Information Reference Div	40462
	14871
	40463
Gt Brit Central Statistical Off	21914
Gt Brit Colonial Development Corporation	76006
Gt Brit Colonial Off	6781
	41228
Colonial Pesticides Research Unit	15494
	91959
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Gt Brit Commonwealth Economic Committee	6500
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Intelligence Br	6782
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Gt Brit Cotton Board	56869
Gt Brit Customs and Excise Dept	40981
	76527
	76528
Gt Brit Dept of Scientific and Industrial Research	68688
Gt Brit Forestry Commission	8134
	10527
	18716
	44579
Gt Brit Hops Marketing Board	75795
Gt Brit Milk and Milk Products Technical Advisory Committee	93402
Gt Brit Milk Marketing Board	3263
	27579
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Gt Brit Ministry of Agriculture Fisheries and Food	332
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Gt Brit Ministry of Agriculture Fisheries and Food--Cont	9617
	9709
	9710
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Gt Brit Ministry of Agriculture Fisheries and Food--Cont	
Committee on Sheep Recording and Progeny Testing	91743
Library	85375
Scientific Advisers' Div (Food)	58318
Veterinary Investigation Serv	4254
	37541
Gt Brit Ministry of Health	6000
	75632
Gt Brit National Agricultural Advisory Serv	51871
	51872
	51873
	51874
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Boxworth Experimental Husbandry Farm	36370
Bridget's Experimental Husbandry Farm	3223
	94384
Fruit Group	88899
Great House Experimental Husbandry Farm	94385
High Mowthorpe Experimental Husbandry Farm	57923
Kirton Experimental Husbandry Farm	25714
Luddington Experimental Horticulture Station	78020
Rosemaund Experimental Husbandry Farm	94386
Stockbridge House Experimental Horticulture Station	69687
Terrington Experimental Husbandry Farm	3224
Trawscoed Experimental Husbandry Farm	94387
Gt Brit National Food Survey Committee	5953
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Gt Brit Pest Infestation Research Board	37773
Gt Brit Pig Industry Development Authority	81269
Gt Brit Potato Marketing Board	14089
Gt Brit Soil Survey Research Board	10111
Great Plains Agricultural Council	14872
Greathead D J	92440
Greathead S K	32970
Greaves B W	53225
Greaves J H	7047
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Grebennikova L P	59439
Grebenscikov I	16314
Grebenyuk R V	63808
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Grebeshkov I S	57587
Grebeshova R N	68689
Grebinskaya M I	61021
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Grecenko A	47496
Grechin I P	2038
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Grechishkin M D	81504
Grechishnikova O	51070
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Grechkin V P	73370
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Grechukhin V A	7258
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Grechushnikov A I	51071
Grecianu A	36905
Grecz N	56632
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Greece Ethnike Statistike Hyperesia	56509
Greece Genike Dieythynsis Georgias	74556
Greece Hypoyrgeion Emporiou	93910
Greeff M D J	29997
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Greeley L W	24417
Greelish F B	20002
Green A A	43553
Green A J A	4920
Green A W	2677
Green B A	11812
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Green G D	17226
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	Item
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Green H T	24841
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Greenaway S	50181
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Greenbaum H	38915
Greenberg B	73671
Greenberg R A	47649
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Greenblatt G	1219
Greenblatt I M	87410
Greene A W	5966
Greene D C	3635
Greene D E	45912
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Greenhalgh I	72050
Greenhalgh J F D	90908
Greenhalgh W J	34660
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Greenham L W	37154
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Greenland D J	2039
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Greenleaf C A	56937
Greenlee H H	54584
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Greenshields J E R	60529
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Greenwald G S	36940
Greenway H	51072
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Greenwood J A C	64626
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Gregers-Hansen B	26207
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Gregg R E	29589
Greggs R G	41267
Gregoire C	20403
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Gregorowicz Z	91417
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Greguss P	15639
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Greig A S	36655
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Greig J K	87659
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Greiner-Petter W	36985
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Grenier P	38187
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Greppi M	46724
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Gresham D T	1778
Gresham G A	54767
Greshnykh K P	44027
Gresikova M	81060
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Gresson R A R	92638
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Greve E	8975
Greve J H	11953
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Grevtsova N A	87277
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Greweling T	51485
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Grey D	3647
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Grezin V F	63584
Gribanov L N	18729
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Gribkov M P	23258
Grice H C	3647
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Grice H C-- Cont	45854
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Grich E R	52219
Grichevskii E Ya	5890
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Gridenok M M	55290
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Gridnikov V D	3495
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Gries G A	40825
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Griesemer R A	27749
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Griessner I	22967
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Griffin C S	32242
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Griffith F D	20155
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Griffith G D	34279
Griffith I V	86063
Griffith J D	6503

	Item
Griffith P W	40826
Griffith R W	28110
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Griffiths B W	32669
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Grigg J L	26069
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Grigorenko G	92793
Grigoresco E	59396
Grigorescu C	7422
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Grigor'ev N G	28594
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Grigor'eva K N	28594
Grigor'eva L V	3049
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Grigor'eva T G	55403
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Grigorova R	63743
Grigorova T V	43239
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Grigor'yan B B	24896
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Grigoryan O V	78343
Grigoryan Sh M	13196
Grigor'yants N N	83462
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Grigsby R	6584
Grigsby S E	67002
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Grilli M	15823
Grillo Torrado J M	53889
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Grim J S	17695
Grim R E	43950
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Grimaldi E	13566
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Grimes D W	61520
Grimes F	17044
Grimes H W	43245
Grimes W H	20639
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Grimsbo N	10330
Grimshaw G	84021
Grimsley C J	49574
Grimson K S	11791
Grin' I S	22671
Grinberg L M	70746
Grinbergs A	12399
Grinbergs J	46831
Grinblat G Ya	51643
Grinchenko A H H	42533
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Grindle M	33938
Grindrod J	2411
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Grinefel'd E G	87865
Griner B M	35070
Grinev V I	60275
Grinev V M	60481
Grineva G M	42615
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Grinevich A G	22096
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Grin'ko T F	51837
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Grinnell W R	2714
Grinovero C	26449
Grinovskis E	49017
Grintchenko A	18230
Grinval'd V M	19302
Grinyer I	80296
Gripe R P	57761
Gripenberg L	88813
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Grisenko G	67819
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Gritsenko R I	23969
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Groeneveld F	7980
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Grohmann H	65318
Grohn H	56339
Grohs B	43492
Grohs H	90053
Grokhol'skii N F	5815
Grokhovskaya I M	12400
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Grolle R	32885
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Gromadska M	42112
Gromadzki J	53513
Gromakovskii K F	61059
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Gromatzky I	15434
Gromisz M	29185
Gromov N G	1855
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Gromovaya O F	94039
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Gromovoi P S	25320
Gromyko I D	9998
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Gronau F	56761
Gronbech G	6653
Gronblad R	41513
Gronblom T	29729
Gronevik G	52878
Groningen Instituut voor Bodem-Vruchtbaarheid	44188
Grono L R	80544
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Grontved P	34397
Grönwall C	24882
Groom C M	84881
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Groom P S	10494
Groos E	21794
Groot B de	11413
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Groot D W de	41167
Groot E H	86076
Groot T de	3464
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Groote G de	63354
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Groote J de	74750
Grooten R	31820
Groper F	72311
Groppelli F	74282
Gros A	61364
Gros A T	31359
Grosch D S	37968
Groschaft J	28854
Groschner P	57067
Grosclaude C	8352
	8453

	Item
Grosclaude C--Cont	41788
Grose J	32291
Grose J E H	12358
Groshev B I	35675
Groshev N A	68693
Groskreutz K A	37326
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Gross A T H	43240
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Grosse-Brauckmann E	17283
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Grosse-Brauckmann G	24510
Grosser H U	81752
Grosserer-Societetets Komite	23602
Grosset H E	86319
Grossgeim A A	76905
Grosshans H	75923
Grossie J	36942
Grossie J A	36930
Grossin F	16815
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Grossklaus D	3465
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Grosskreutz J C	6783
Grossman Yu M	66458
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Grossmann H	61780
Grossmann O von	30789
	39496
Grossner L	30530
Grossu A V	46449
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Grosul Ya S	15598
Grosvenor E D	93834
Grosz C R	55283
Groszmann H M	25601
Grota S	15747
Grote R	76124
Groth W	28277
	45980
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Groth W--Cont	91901
Grothues B	31370
Grottendieck H	20217
Grouet D	24241
Grouev P	13727
	22098
Grouiller A	9301
Groulade J	46707
Groulade P	11758
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Groupe de Coordination des Textes Techniques	45023
Grout R A	41168
Grove A R	29
Grove C S	84040
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Grove V H	88495
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Groven I	69775
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Grover B L	70285
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Grover R	61900
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Grover R K	409
Groves A B	86647
Groves E W	58506
Groves H M	40361
Groves J W	263
	24077
Groves M L	56633
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Growdon J H	20508
Growe M	69561
Growers Admin Committee	22361
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Grozdov B V	23865
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Grozdov K D	88840
Grozev D	69636
Grozev I	40387
Grozman M	72153
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Gruber F	9641
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Gruber H	6926
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Grubor M	11893
Grubov V I	15748
Gruchet H	38269
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Grudzien C	20503
Grudzinskaya I A	18844
Gruen F H	6175
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Gruen H E	25143
Gruenberg K	72312
Gruev V	63472
Grueva E A	1856
Grugeon C H	53514
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Gruici C	75924
Gruillich H	38732
Gruis J T	59940
Grujic Z	71460
Grujicić G	87115
Grumbles L C	3915
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Grummer G	33501
Grummer R H	23257
Grun E	54769
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Grunberg R	91294
Grunberg W	20497
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Grund G H	38145
Grund H	19719
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Grunda B	35191
Grundbacher F J	87116
Grundboeck M	37044
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Grunder H D	27751
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Grundey J K	64915
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Grundke G	39045
Grundler J	25715
	25786
Grundmanis G	28656
Grundy A V	93106
Grundy W M	17697
Gruner P	58350
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Grunert E	36532
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Grunert F	59254
Grunes D L	51075
Grunewald G	10203
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Grunewald T	65708
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Gruninger G	45421
Grunpeter G	80939
Grunt J	69393
Grunwald C	34398
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Grünzel H	8454
Gruoner S	93496
Grupce R	47001
Grupe D	83432
Gruppe W	18290
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Grus I	53890
Grushetskii L	47769
Grusheva Z G	53378
Grushevskii B N	16562
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Grushin S V	3342
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Grushvitskii I V	8978
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Gruszecki S	66022
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Gruszewska M	46562
Grut M	90196
Grutte E	70040
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Gruzdev D M	90155
Gruzdev G I	10204
Gruzdev G S	9876
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Gruzova M N	73901
Gryazev I I	23445
Grycz S	81165
Grymal'skyi V I	20886
Grymes D	27086
Grynberg H	14465
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Grynia M	8666
Grys S	54318
Gryse G de	90751
Grysiak J	73943
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Grzenda A R	77548
Grzesiuk S	8979
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	16617
	87661
	87662
Grzeskowiak Z	69942
Grzeszczak-Swietlikowska U	91797
	91798
Grzhivo V S	93558
Grzimek B	84562
Grzymala S	66919
Grzywinski L	36260
Gschwendtner A	61975
Gselko M	66072
Guadagni D	39046
Guadagni D G	6684
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Guadeloupe Centre Technique de la Canne et du Sucre	69659
Guagnini O A	22327
Gualaccini F	33383
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Gualazzi A	23162
	31821
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Gualdesi G	80297
Gualtieri L	22480
Gualtierotti T	72685
Guam Dept of Agriculture	552
Guam Governor	76656
Guard A T	33635
Guard S R	27348
	45386
Guarda F	19836
Guarino C	80854
Guarita O	55276
Guastalla M	75062
Guatemala (City) Universidad de San Carlos Facultad de Agronomia Dept de Investigaciones	8294
Guatemala Instituto Agropecuario Nacional Div de Investigaciones	49879
Guay B	30042
Guba E F	86561
Guba S	3226
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Guba-Herditzky E	27597
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Gubanov A S	10164
Gubanov I A	59262
Gubanov Ya V	25386
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Gubarevich Ya G	11586
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Gubin E P	66459
Guch' F	72943
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Guczi L	56345
Gudalin V	13298
Gude J B	69539
Gudel K	65340
Gudin C	8980
Gudino R	92136
Gudjonsson K S	86167
Gudnason A	18291
Gudnason G V	19954
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Gudzenko A A	69741
Guedes A da S	29526
	38282
Guedes A S	5205
	37462
Guedes O J	78346
Guedez Acevedo H	16618
Gueguen L	36179
	59900

	Item
Gueguen L-- Cont	62974
Gueit M	25459
Guelev I	63636
Guell A	56346
Guenin H A	5099
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Guennelon R	87663
Guenov I	37365
Guenther E	31360
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Guenther F	71772
Guenzel R C	31743
Guerault A M	30457
Guercio V	11587
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Guerden L M G	28279
Guerguinov T	22098
Guerillot J	24898
Guerillot-Vinet A	16589
Guerin H P	88146
Guerin P	21378
Guerin-Meneville	55863
Guerlesquin M	33636
	42217
Guern J	24899
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Guern N	24899
Guernsey L	40792
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Guerrero A	16909
Guerrero A H	7078
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Guerrero C	71870
Guerrero G P	52651
Guerrero L	55319
Guerrero O E	69716
Guerrieri E	63465
Guerrucci N	25085
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Guervin C	23970
Gueslin M	20370
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Guest J I	83403
Guest R G	83105
Guest W	27586
Guest R T	10476
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Guevara V F	757
Guevara Calderon J	92081
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Guglielmini L	13847
Guglielmino E	39497
Gugusevic-Lazic M	42543
Gugushvili P V	61521
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Guha S K	32469
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Guhl E	66796
Guibert L	56243
Guice R L	21519
Guichandut J J	46189
Guichard K M	82601
Guida H G	45596
Guida N	69352
Guiglia D	64547
Guignard J L	16316
Guignot F	21114
Guigo E	93403
Guilbeau W F	22832
Guilbot A	6784
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Guild M D	32369
	32370
Guilfoy R F	6930
Guilhon J	12121
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Guillarmod A J	58507
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Guillaumin A	15749
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Guillaumin R	93911
Guillemenet R	77049
Guillemet F B	8897
Guillemot J	42735
Guillen P M V	43195
Guillen Diaz P	7350
Guillen-Escalante N	40166
Guillermo F M V	22563
Guilleux M M	16589
Guillon J C	11954
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Guillot G	8028
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Guilloteau J	31822
Guillou R	65764
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Guimaraes A F	47849
Guimaraes A P	13947
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Guimaraes O P	86492
Guimberteau G	13636
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Generale Serv de l'Agriculture	35558
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Guinn V P	65076
Guiot J	71744
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Guirginov T	13727
Guiscafre J	19058
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Guither H D	36165
Guitian Ojea F	26022
Guiton P	3818
Guitton N	38389
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Guitton Y	25201
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Guittonneau G	87412
Gukasov A I	1068
Gukasyan A B	29665
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Gula P	62374
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Guldenpfennig R	7062
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Guliev G A	49849
Gulii A P	55485
Gulisashvili V Z	23
Gulkanyan V O	87665
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Gully H R	31633
Gulubov S	72617
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Gulyaev G	94222
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Gulyaev V N	93699
Gulyaeva T	75925
Gulyakin I V	1072
	10205
Gulyakin I V-- Cont	16619
	42617
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Gulyas S	68260
Gumbel W C	23417
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Gumilevskaya N A	73511
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Guminski J	18791
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Gumos H	21115
Gumovskii I A	31763
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Gunar I I	16620
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Gundorf Institut fur Landwirtschaftliche Betriebs- und Arbeitsokonomik	94389
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Gunhold P	89565
Gunichev I P	85765
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Gunner H B	86806
Gunning B E S	16622
Gunning R	36842
Gunsalus M L	15343
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Gunstone F D	66103
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Gunther W C	46063
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	Item
Gupta V D	6586
Gupta V P	80545
Gupta V K	21326
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Gupte V V	13949
	13950
Gurau G H	91825
Gurau L	91631
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Guseinov D M-- Cont	2286
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Gushchin I I	62083
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Gushchina V V	62235
Gushchinskii N	65878
Gushchyan G S	85525
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Gusintsev F G	56071
Guspan J	85526
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Gussak V B	17886
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Gustavsson B	30025
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Gustincic V	65996
Gustiuc L	89584
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Guteneva L Z	45052
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	43103
Gutenmann W H	26070
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Gutierrez von H T	88561
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Gutmann A	36949
Gutmanski I	78610
Gutorov I G	75198
Gutorov V I	47421
Gutowski B	63148
Gutride P S	6130
Gutsche H J	28415
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Gutschmidt J	66226
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Gutsevich A V-- Cont	38189
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Guttes S	16318
Guttfeld M	65514
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Gvamichava N E	78426
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Gvosdieva R	75282
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Gvozenko T	60890
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Gwynn P E J	3325
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Gyllensvard N	38298
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Györffy B	58843
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Gyulbaaryan S A	70748
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Gyuro F	24137
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	Item
Gyuro F--Cont	25611
Gyurov S	89156
Gzuba R	70256
Haack A	87670
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Haag-Berrurier M	69191
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Habeck J R	68117
Habel R E	11589
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Hadjiski T	93638
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	Item
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Haig-Brown R L H	76658
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Haile T	10567
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Hainsworth E	41631
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Haise H R	26498
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Haisma S	55023
Haiti Dept de l'Agriculture des Resources Naturelles et du Developpement Rural	23163
Hajas J	59906
Hajda J	23149
Hajdu A	86320
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Hajduk J	650
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Hajovský T	91848
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Hakodate Eirinkyoku	26725
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	Item
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	Item
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	Item
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	Item
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	Item
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	Item
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Hauptverband fur Zucht und Prufung Deutscher Pferde E V Deutsche Reiterliche Vereinigung (FN) Abteilung fur Leistungsprufungen	54658
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Hawaii Dept of Agriculture and Conservation	32495
Hawaiian Academy of Science	41102
Hawaiian Entomological Society	4313
Hawaiian Sugar Planters Association	25515
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	Item
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Hefti J	21692
Heftmann E	65078
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Hege H	7259
Hegedus K	52820
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Heger B	53270
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Heggdal M	57929
Heggdal R	14032
Heggemann X	35917
Heggestad M O	60616
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Heghe Van	62567
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Hegyi G	78715
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Heide B	80300
Heide B van der	83721

	Item
Heide L	80300
Heide L V D	3990
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Heigener H	56813
Heighton V A	15323
Heightshoe L	47373
Heijl W M	19
Heikal H A	39675
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Heiken G	41636
Heikkenen H J	73394
Heikes E	43728
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Heikkilä U	48063
Heilenz S	8992
Heikinheimo L	18673
Heikinheimo O	73740
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Heineman B	73824
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Heinemann W W	62937
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Heinrichs H	60533
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Heiskanen V J	53689
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Heitzman R	82716
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Hejzlar Z	80495
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Held E E	51404
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Held J R	79810
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Hellei A--Cont	74104
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Hellmers H	44569
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Hellstrom V	36180
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Hellwig L	85528
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Helmers G	5426
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Helmersen M	62503
Helmig-Schumann H	11813
Helminthological Society of Washington	32536
Helms H T	55083
Helms K	50487
Helmsley A F	10872

	Item
Helsdingen P J van	64292
Helsingfors Universitet Maatalous-kirjasto	7495
Helson V A	77561
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Helton A W	412
Heltemes C J	56523
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Hendrie J I	7983
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Hendry I F	19264
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Henman D W	10732
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Hentrich W	42628
Hentschl A F	19838

	Item
Hentschl A F--Cont	80301
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Hersh S P	56873
Hershberger L G	36803
Hershey R	76617
Hersiczky A	93746
Herstein K M	22129
Hertelendy F	37102
Hertich	47322
Hertig M	55294
	5104
	5112
Herting B	5105
	92442
Herting D C	32466
Hertsgaard T A	6928
Hertwig P	86171
Hertwig W	47543
Hertz C H	51068
Hertz E C	66197
Hertz L B	51097
	43669
Hertzsch W	9470
	34496
	88358
Herve J J	24373
Herve P	82604
Hervey A	25077
Hervey G E R	82711
Hervieu J	2197
	2198
Hervy A	20370
	81032
Herweijer S	31827
Herwijnen J C van	65155
Herzberg C	66068
Herzeg O	62306
Herzig J	62298
	63135
	27257
	46116
Herzog A	54322
Herzog G	55678
	38029
Hes J W	58511
Hesch R	26733
Heseltine H K	6754
	14225
	37775
Hesketh J D	42629
Heskova D	46459
Hesler L R	32973
Hesling J J	16169
	24463
	42064
Heslop B F	36952
Heslop I R P	5427
	5428
	5429
	5430
	5431
	5432
	5433
	5434
	5435
	5436
	21391
	38469
	64636
	73826
Heslop J P	5567
Heslop-Harrison J	50701
	68263
Heslop-Harrison G	82084
Heslot H	8822
	68438
Hesmer H	10529
Hesp C E	78618
Hespel M	76131
Hess A D	58403
	37545
Hess C E	8999
Hess C V	31672
Hess C W	72721
	91420
Hess C W M	9714
Hess E	14245
	45604
	49078
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	81344
	84614
Hess H	21693
Hess K	22482
Hess O	38213
Hess Q F	79385

	Item
Hess W	17448
Hess W M	14566
	66188
Hess W R	62334
Hessayon D G	17449
Hesse C O	34639
	57099
Hesse N C W	54414
Hesse P R	35145
	35146
Hesse Statistisches Landesamt	39087
Hesselbach	94223
Hesselbach J	57749
	92736
	92878
Hesselbarth	90910
Hesselbarth K	38647
	49079
Hessell R F	6414
Hesseltine C W	28
	1343
	7068
	22483
	48764
	58774
	58784
	68712
Hesser L F	7874
Hessien N	46153
Hessler A Y	5106
Hester F E	64750
Hester J B	78619
Hester O C	57347
Heth D	10733
	10734
Heth D A	72620
Hetherington E	34759
Hetherington E E	25719
	69833
Hetland I	14876
Hetnarski B	24206
Hetrick F M	3765
Hetrick J M	79814
Hetrick L A	55566
	73827
Hetterich G	2821
Hettinga U	74656
Hettwer E	56784
Hetzer H O	4178
	37357
	63645
Heuberger J W	16014
	24191
	41793
Heuell K	70946
Heuer G	29998
	38759
	64951
Heuermann D L	44220
Heukelekian H	13422
Heulz C	92780
Heupel	76259
Heurn F C van	19177
Heursel J	58845
	59921
Heurteaux P	61527
Heuschen J	72006
Heuser G F	11899
Heuveln B van	18170
Heuver M	33220
	89285
Hevesi A	57298
Hevia H	28860
Hevin R	66745
Hevly R H	8135
Hewetson F N	17705
	59922
Hewetson J	43332
Hewett K	35999
Hewett P D	86811
Hewett R	32372
Hewitt A C T	11504
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Hewitt D	35560
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Hewitt E J	8734
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Hewitt P N	33558
Hewitt S R	77948
	85737
Hewitt W B	33221
	33380
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Hewland P	15372
Hewlett J D	2042
	10144
	61315
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Hewlett P S	37466
	81845
Hewlett R	56387
Hey A	33078
	86651
	86652
Heyberger K	79815
Heybroek H M	43500
Heyde H	92697
Heyde H van der	13441
	36599
Heydeck W	84048
Heydecker W	78288
Heydelberger L A	85851
Heydemann B	12771
	46839
Heydemann F	38490
Heydendrych H J	62660
Heye D	55288
Heye H	58326
	58327
Heyes J K	51098
Heyke B	45319
	79868
Heyland K U	2258
	34401
	51099
	77562
Heyman W	39152
Heyndrickx A	63749
Heyndrickx G A	70751
Heyne E G	68988
	75292
Heyne J	36181
Heynig H	15834
Heynig H--Cont	32918
Heyrovsky L	12813
Heysen L E	40713
	49365
Heyting C	86584
Heywang B W	7131
	7138
	28195
	45913
	45928
	91421
	91424
Heyward F	2593
Heywood E	7772
	58157
Heywood M M	84925
Heywood V H	41329
	41330
	41401
	41495
	49756
	49993
	50006
	67389
Heywood V H	67409
Hias G	66332
Hiasa T	74182
Hiatt A J	1344
	16916
Hibbard C H	3745
Hibbard C W	8115
Hibben C	41638
Hibbert A R	61315
Hibbert D	7260
Hibbs E T	12597
Hibbs J W	11488
	19724
	27621
	36492
	45537
	54400
	90894
Hibbs R A	45428
Hibon J	35324
Hice B	43355
Hickey K D	41724
	77050
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Hickey L S	28134
Hickey T J	70806
Hickey W A	5184
Hickin N B	21489
Hickin N E	5001
Hickman C G	19654
	80496
	91021
Hickman C J	67829
Hickman C P	4314
Hickman F J	60614
Hickman J L	63475
Hickman M G	16737
Hickman R A	83503
Hicks E A	53034
	64242
Hicks G C	26646
Hicks J W	94200
Hicks M	26367
Hicks R D	17116
	51711
Hicks S D	82273
Hickson J C	84337
Hida M	13954
	34284
	50702
Hida M-- Cont	59444
Hidaka T	12925
	47003
	92593
Hidaka Z	87026
Hidalgo J U	10783
Hidalgo L	16639
	83645
Hidalgo T	83637
Hidalgo-Escalante E	24460
Hidalgo Granados A	26455
	26456
Hidalgo Sanchez S	39153
Hidding A P	44132
	51100
Hidi P	22846
	66234
Hidiroglou M	80448
	91022
Hieke K	78109
Hield H Z	65703
	68715
Hielscher R	30506
Hiemeleers J	25612
	39676
	60691
Hiemstra S J	38942
	56402
	83405
Hienton T E	46745
Hiepe T	41170
Hiernaux C R	44476
Hieronymus T A	7050
	48765
	75304
Hiessl J	36602
Hietala P	7202
Hietala P K	20786
Higaki M	32933
	33552
Higaki T	16837
Higashi H	62299
	75351
Higashi T	52490
	52491
	52654
	52655
Higashiyama I	89455
Higazy M K	25172
Higby W K	6132
	48328
	57105
Higginbotham R S	84049
Higgins A H	29991
Higgins D J	15968
Higgins F H	64903
Higgins H	83100
Higgins H G	12772
	12773
	16733
Higgins L	67117
Higgins L J	52027
Higgins R W	24883
Higgs C	21524
Higgs D G	84726
Higgs E D	69542
High N H	23474
High T W	27620
Highkin H R	51310
Highnam K C	55998
	55999
Highnam K C-- Cont	64701
	73867
Higinbotham N	42630
Higinbotham W A	3471
Highland Cattle Society of Scotland	27531
Hightower N C	45281
Hignett S L	27760
Hignett T P	79003
Higo Y	76841
Higuchi F	61170
Higuchi K	30796
	39501
Higuchi T	25205
Higuchi Y	13001
Higueras A	18130
Hiivola S L	9471
Hijimoto S	77563
Hikida H R	34888
	58986
	67796
Hilbert A H	73427
Hilbert G E	48766
Hilborn M T	16556
	16557
	50498
	50543
Hilbrich P	28284
	28285
Hild J	33643
	77302
Hildahl V	64097
Hildebrand A A	401
Hildebrand D	13955
Hildebrand E M	16129
Hildebrand P E	58014
Hildebrand S C	17169
	43104
Hildebrand W R P	36667
Hildebrandt A C	59763
	68545
Hildebrandt G	35880
	44677
Hildebrandt H	69543
Hildebrandt H H	11535
Hildebrandt H J	55288
Hildebrandt W	17333
	17334
Hildebrant A C	8802
Hildeman S E	80036
Hilden D	89153
Hildendorf R L	7416
Hildreth B P	79887
Hildreth H C	54483
Hildreth R C	51913
Hildreth R J	26344
	32012
	86244
Hileman L H	10297
Hilf H H	18955
Hilf R	55011
Hilgeman R H	59145
	60660
Hilgert I	46043
Hilkenbaumer F	17344
	17345
	18293
	41639
	68716
Hill A	92016

	Item
Hill A C	37682
Hill A V	32300
	86813
Hill C H	11898
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	28200
	72522
	81762
Hill C L	10307
	70596
Hill C W	7580
Hill D	83240
Hill D C	45989
	72526
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Hill D L	16917
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Hill D S	46934
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Hill E	53035
Hill E B	49366
Hill E P	87683
Hill E R	51101
Hill F	31287
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Hill F	91155
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Hill F G	76371
Hill F J	68717
Hill F W	11899
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Hill G D	43731
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Hill G P	42631
Hill H	11266
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Hill H D	863
Hill H E	2415
Hill H J	3016
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	44757
Hill H L	32102
Hill J	24917
	42364
Hill J B	29
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Hill J D	49329
Hill J E	91399
Hill J K	80305
Hill J N S	43953
Hill K J	27359
	36247
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Hill K L	87819
Hill L	52879
	60423
Hill L D	76354
Hill L J	71317
Hill L W	71313
Hill M	89979
Hill M K	54896
Hill M M	7955
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Hill P	85530
Hill P J R	652
Hill P R	5734
	9362
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Hill R	12116
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Hill R E	4370
Hill R G	51947
Hill R H K	17045
Hill R J	7807
Hill R M	13439
Hill R W	72621
Hill S	57530
Hill S R	65442
Hill T J	91498
Hill W A B	23013
Hill W H	66198
Hill W K W	27360
	54323
Hill W O	44477
Hill Farming Research Organisation	43243
Hillaby J	41640
	71299
Hille E	22482
	39493
Hille G	72697
	80895
Hilleboe H E	48065
Hillel D	33507
	52656
Hilleman M R	3486
Hillemann H H	54585
Hillery G A	15175
	94612
Hiller K	72683
Hillestad K O	43501
Hillestad R	51760
Hilli A	14576
Hillier J C	4179
	19391
Hillig F	6003
	93039
Hilliger H G	36809
Hillinger C	38867
Hillinger I	48828
Hillis W E	51498
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Hillman D	45489
	56204
Hillman D E	20365
Hillman R	21197
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Hillman W S	9000
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Hills C H	30937
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Hills E S	31828
Hills F J	24248
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Hills G A	50592
	66828
Hills G L	6208
Hills K L	61374
Hills L D	9557
Hills M G	44165
Hills O A	8592
	52155
Hills P R	7043
	48756
Hillsborough Agricultural Research Institute of Northern Ireland	49880
Hillyer I G	52098
	52099
Hilmersen A	56168
Hilpert H	54964
Hilpoltsteiner L	35494
Hilsenhoff W L	46388
	55184
Hilsenkopf R J	32044
Hilsman P L	25720
Hilterbrand L R	35945
Hiltibran R C	25905
Hilton H G	52631
Hilton H W	25906
	48917
	70112
Hilton J H	49470
Hilton J L	42632
Hilton N	15167
Hilton W B	54736
Hiltunen J K	41502
Hilty J W	50398
Hilty W W	74910
Himbury S	73921
Hime J M	11782
Himelick E B	24300
	33222
	50326
	67830
Hincks W D	29792
Hind J F	48657
	84250
Hinde R A	3995
Hinde R W	68909
Hindelang B	54964
Hindin E	28770
Hinds F C	12095
Hinds H B	11869
	20160
Hinds R H	93615
Hinds T E	41794
Hindson J C	54934
Hindson W R	6571
Hine H J	22394
	56073
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Hine R B	24249
Hiner R L	6901
	14349
Hines H H	85157
Hines T	81958
Hinesly T D	44379
Hinfner K	21737
	24250
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Hingorani G R	86362
Hingorani M K	413
	50456
	77076
Hingst K	74105
Hingston F J	2215
	35233
	52640
Hinish W W	35613
Hinkle D A	26630
	43189
	52760
Hinko T	39996
Hinkova T	24087
Hinman J H	18638
Hinners S W	40111
Hino I	32703
	32974
Hino T	59146
	84796
Hinrichs D D	2913
	11029
Hinrichs J R	75398
Hinsey J R	6997
Hinshaw K	36412
Hinshaw W R	28286
Hinson K	24711
	68436
	69639
Hinson N S	10919
Hinson W C	86710
Hinterberger J	30611
Hintikka V	68123
	70341
Hintnaus J	55084
Hinton G	15192
Hinton H E	21283
	64243
	64423
	92444
	92498
Hinton J J C	93700
Hinton R A	40663
	66746
Hinton S A	45528
Hinton W L	7387
	48369
	58015
	58016
Hintz H F	11512
	19736
Hintz H W	50593
Hinwood J B	61617
Hinz D	27361
Hinz R	5295
	21329
	21392
Hinze G O	51665
Hiob J	56213
Hipolito D G	23694
Hipp N J	56633
Hippel P H von	30143
Hipsley E H	58319
	58321
Hirabayashi T	28389
	91606
Hirai J	24918
	68718
Hirai S	45036
	53705
	64083
	71493
	71497
Hiraide N	7693
Hirakata K	81166
Hirakoso S	55237
Hiramatu H	12480
Hiramoto K	90726
Hirane S	50131
Hirano C	12490
	21393
	29677
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Hirano K	607
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Hirano M	29220
Hirano T	16326
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	84827
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Hirao C	65646
Hirao S	34760
Hirao T	4849
	37928
Hirasa T	37834
Hirasawa K	80658
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Hirata H	51216
Hirata K	77400
Hirata N	24918
	68718
Hirata S	82720
	86814
Hirata T	16918
Hirata Y	39875
Hirato K	91218
Hiratsuka Y	33644
Hird F J R	6789
Hiregowdar S L	94558
Hiroe I	34897
	77120
	77143
Hiromoto K	32975
Hiromu O	68719
Hironaka M	1085
Hironaka R	80132
	81134
Hironao T	30534
Hirono S	39820
Hirose A	51109
	51110
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Hirose M	87759
Hirose S	51066
Hirose T	87416
Hirose Y	57385
	84797
	84826
Hiroshima Kenritsu Nogyo Shikenjo	23835
Hirota H	89687
Hirota I	22330
Hiroyasu T	42633
	68720
	68722
Hiroyoshi T	5107
Hirsbrunner A P	35918
Hirsch H R	6610
Hirsch J	5108
	12876
Hirsch K	56281
	83251
Hirsch M	7370
Hirsch P	2135
	18055
	27362

	Item
Hirschberg E	65582
Hirschberg W	94313
Hirschfeld A	40916
	48996
Hirschfeld J	72983
Hirschfeld W K	37300
Hirschfelder H	81959
Hirschmann H	24464
Hirschmann W	46746
Hirschmuller H	22847
	85035
Hirst A J	84926
Hirst E C	2594
	18703
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Hirst E L	94099
Hirst G K	3081
Hirst J M	28926
	41795
	77121
Hirst K	79515
Hirt W	89847
Hirte C	27258
Hirte W	2136
Hirth L	24410
	50490
	87027
	87081
Hirtz M	13955
Hiruma M	51102
Hirumi H	73674
Hirvenoja M	29793
	29794
	38272
Hirwe S N	60339
Hisamatsu S	29359
	29360
	55717
Hisauchi K	32704
	67448
	76947
Hiscock E	67118
Hishida A	82033
Hishida S	400
Hislop E C	67831
Hitaka N	42634
Hitaka N	67750
Hitchcock A E	50186
Hitchcock C L	70
Hitchcock J T	22969
Hitchcock K	49367
Hitchcock R	21618
Hitchcock S W	5614
	13006
Hite P G	32577
Hitier H	1656
	16017
Hitier R	33229
Hittle C N	1473
	34485
Hitz C W	59922
Hix H	47676
Hixson E	15221
Hiyama K	32779
	32780
	76842
	76948
Hizukuri S	9001
Hjarde W	71659
Hjelmqvist H	59445
	86322
Hjelmstrom L	44931
Hjortkjaer T	85381
Hjulstad O	30045
Hladik J	90055
Hlavacek F	6133
Hlavackova Z	89420
Hlawitschka E	74522
	83137
Hlynka I	65945
Hnetkovsky V	36048
Ho C C	28050
Ho F K	5002
Ho G P A	76618
Ho H	20652
Ho H K	25165
Ho S Y	83830
Ho T L	78620
Ho Y T	23261
Ho-A-Shu H V S	68592
Hoadley R B	45030
Hoag D G	17450
	52028
Hoare C A	92015
Hoare E R	92698
Hoare J F	76302
	92968
Hoare J L	9238
Hoare S A	62381
Hoban N	34115
Hobart S R	48257
Hobbiger A	80133
Hobbiger F	4500
Hobbs B C	79816
	83327
Hobbs C S	11259
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Hobbs G	22935
Hobbs G A	4371
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Hobbs L H	53590
Hobbs M L	93040
Hobbs T D	11961
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Hobbs W B	19490
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Hobby B M	5109
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	73675
Hobell G J R	91762
Hoberlandt L	38300
	47004
	47005
	47006
	47007
	63710
Hobert H	29838
	38734
Hobgood P	30046
Hobgood T N	14526
Hobincu A	93107
Hobo G J	17586
Hobohm C O	53893
Hobohm H H	31243
Hobson E A	49725
	67119
Hobson E A--Cont	83463
Hobson J R	61902
Hobson P M	83802
Hobson P N	3099
	37232
	37242
Hoch G	88171
Hochart M B	27110
Hochmannova J	25206
Hochmut R	73374
	73375
Hochmuth U J	52603
Hochstein-Mintzel V	46085
	46241
	72162
Hochster R M	8573
	24387
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Hochtanner G	44758
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	71146
Hockenberger G	94224
Hocker H W	71208
Hocking K S	81583
Hocknell K E	23343
Hocombe S D	34995
Hocquellet P	56815
Hodak N	15756
Hodapp C J	5188
	55286
	55316
	55836
Hodek I	5003
	29361
	29362
Hodesson S	45759
Hodgdon A R	76906
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Hodge D E	54052
Hodge J B	49471
Hodge R E	53550
Hodge W H	1783
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	41402
Hodgell M R	66829
Hodges C S	2718
	33224
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Hodges E F	31328
Hodges E M	18270
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Hodges H G	83846
Hodges L H	57348
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Hodges R	1345
Hodges R D	29146
Hodges R E	76593
Hodges R W	5437
	5438
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	64637
	82721
Hodges T O	64984
Hodgins H J	44623
	44633
Hodgins S R N	23484
Hodgkin E	9715
	58654
Hodgkins J E	48609
Hodgkinson L A	60948
Hodgkiss P J	62514
Hodgkiss W	78406
Hodgman S F J	45760
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Hodgson A	61903
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	Item
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Hogreve F--Cont	80308
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	Item
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Honduras Direccion General de Estadistica y Censos	15373
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Hooper D J	33437
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	Item
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Hopkins W L	17709
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Horiuchi Y	64214
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Horth C D	2417
Horticultural Education Association Fruit Committee	69688
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Horton R J M	28288
Horton-Smith C	11962
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Hortschansky J	64775
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Horvat B	72910
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Horvatic S	16214
Horwath S	71922
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Hosain S	94179
Hosaka H	16643
Hosanna T	10567
Hosansky N	16953
Hosch L	13299
Hosek K	57102
Hoselitz B F	85697
Hoseney R C	75292
Hoser S	20466
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Hoser S--Cont	91805
Hoshall E M	5939
Hoshi G C	28918
Hoshi S	24963
Hoshii H	72584
Hoshikawa K	1088
Hoshino T	3920
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Hosiaisluoma V	50594
Hoskam E G	19492
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Hoskins R T	2783
Hoskins W M	4372
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Hosokawa A	47374
Hosokawa T	8685
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Hossain W	45606
Hosslin R von	69959
Host J R	53229
Host-Madsen M	58102
Hostetler R I	63809
Hostettler H	6330
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Hostomsky J	53708
Hostun J T	1949
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Hotta T	653
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Hotz E	85612
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Houel J D'	35561
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Hougen V H	49598
Hough H W	2290
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Hough L F	25603
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	Item
Hough L F-- Cont	69744
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Hough W S	81763
Houghland G V C	25818
Houghton D H	15126
Houghton E E	94191
Houghton L E	61376
Houghton S	31954
Houghton T R	71972
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Hourigan W R	16644
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House D	63026
House H L	13007
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House P	31744
	31745
House W P	2620
Houseberg J	17711
Householder W A	76407
Houseman E E	14667
Houser A	43735
Housh C C	93967
Houska M	47759
Housley S	30
Houston B R	24243
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Houston C E	10380
Houston D F	14246
Houston D R	16015
Houston G	23232
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Houtermanns P	53145
Houtman G	5439
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Houwing C	68017
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Houwing H	57613
Houwing P A N	23391
Houyez P	38457
Hovadik A	67965
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Hovanitz W	21336
Hovd J	43615
Hove T T	32111
Hoveland C S	9474
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	43246
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Hovelaque R	66875
Hovell G J R	28557
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Hovin A W	68440
Hovind H J	26776
Hovland D	26261
Hovorka F	54994
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How R B	31797
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Howden A T	21121
Howden G F	12366
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Howden H F	29364
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Howden J	43736
Howden J S	9873
Howden M E H	53711
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Howe E D	18467
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Howes J R	3471
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Howland B E	63476
Howland P	53226
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Howson D F	5817
Hoy D R	32112
Hoyem T	3125
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Hoyle P C	20728
Hoyle R J	19200
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Hoyt S C	33094
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Hrabakova A	48418
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Hrabetova E	42637
Hrabowski W	39434
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Hrasko J	70165
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Hreben' L K	72913
Hrihorov M	86988
Hristov T	53646
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Hroboni Z	66024
Hrodzins'kyi D M	68727
Hronek O	80311
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Hrsel I	8577
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Hruschka H W	33968
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Hrusovsky F	91027
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Hsieh P T	7261
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Hu C H	33509
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Hu S M K	37548
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Huan V N	34243
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Huang C Y	38471
Huang H	26265
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Huang T C	32781
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Huang Y Y	38043
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Hubatschek E	7496
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Hubbard O D	21816
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	Item
Hubbard R L	1582
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Hubbard W A	17171
Hubbard W L	51306
Hubbeling N	50862
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Hubbell B E	93268
Hubbell S P	29697
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Hubener E	10736
Hubenov M	54328
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Huber T	21762
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Huddleston E W	4621
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Hudeczek F	35671
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Hudgins W R	51557
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Hudson H J	265
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Hudson S C	40985
Hudspeth E	53482
Hudspeth E B	1091
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Huebner R J	3412
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Hug R E	10958
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Huge W E	48767
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Hughes R L	84456
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Hughes T J	94131
Hughes W A	80313
Hughes W F	20221
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Hughes W J	65444
Hughes-Schrader S	5229
Hugie V K	61288
Huglin P	78089
Hugo P P	62795
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Hugo W J	85852
Hugo W S	80966
Hugon E	87696
	87697
Hugon R	62796
Hugonnet	7497
Hugot D	65501
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Hugues P	17173
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Huguet C	61529
Huguet F	59929
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Huguet L	44837
Huheey J E	29249
Huhn J E	3472
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Huhnke W	43176
Huibers R H	85032
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Huisman J	7054
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Huiswoud R R	25908
Huitt R K	15294
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Hukuhara T	12714
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Hulbert H H	40918
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Hulburt W C	10154
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Hulet C V	81050
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Hulisz S	62170
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Hull J L	3366
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Hull J W	13239
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Hull P	54[illegible]

	Item
Hull R	24412
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Hulland T J	32547
Hullcoop R S	38838
Hullett E W	14227
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Hülsbruch M	8737
Hulse E C	62797
Hulse F E	6667
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Hulse J H	30230
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Hulsebus R E	52764
Hulshof J A F	13730
Hulsmann G	25446
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Hulsse H	93968
Hulst Stikstof-proebedrijf R Teunissen	31932
Hulston J R	33870
Hulten E	23916
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Hultin H O	14059
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Hultnas C A	80038
Humbert H	32785
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Hume H H	23975
Hume L J	32375
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Humm H J	86531
Hummel C I	6611
Hummel E	48223
Hummel J	31830
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Humphrey H J	7959
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Humphrey R R	90269
Humphreys D A	3445
Humphreys J L	17454
Humphreys N	26778
Humphreys T E	16518
Humphries A W	33971
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Humphries B	56170
Humphries E G	7295
Humphries S G	77772
Humphrys C R	21519
	44428
	52996
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Hunan Forest Research Institute	38474
Hunan Sect of Forest Protection Forestry Research	37810
Hundhammer A	76013
Hundley J M	7944
Hundt K W	28416
Hundt R	33510
	42117
Huneck S	88157
Hunermund K	11760
Hung C C	4625
Hung C H	33227
	33228
	86815
Hung C S	67833
Hung S L	1181
Hungary Allami Gazdasagok Foigazgatosaga Szemelyzeti es Oktatasi Fooosztaly	3226
Hungary Foldmuvelesugyi Miniszterium Allatenyesztesi Foigazgatosag	19618
Szakoktatasi es Kiserletugyi Foigazgatosag	16994
Tajékoztatási és Propaganda Osztaly	63688
Hungary Kozponti Statisztikai Hivatal	72710
	21820
	21916
	22643
Hungary Munkaugyi Miniszterium	47498
Hungary Novenyfajtaminosito Tanacs Titkarsag	9327
Hungary Orszagos Mezogazdasagi Konyvtar es Dokumentacios Kozpont	51650
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Hungria L S	35261
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Hunseler H	38764
Hunsperger R W	45753
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Hunter-Smith R S	7498
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Huntley H B	29905
Huntly J H	414
Hunton P	3821
Hunziker J H	24590
Hunziker R R	61432
Huong N van	59930
Huot L	29343
	38121
Hupfauer M	38695
	64752
	73948
Hupka	15549
Hupkes C M	15550
	40832
	48997
	57930
	76408
Hupp E W	12176
	36384
	62571
Huppert V	10214
	55409
	70555
Huppertz J	54607
Huppuch C D	10686
Huq M M	45287
Hur D E	45762
	53894
Hurard J	45425
Hurd A	31831
Hurd E A	1092
	56181
Hurd E B	94505
Hurd E S	2971
	26941
	79410
Hurd P D	29594
	38381
	63703
Hurd R G	51365
Hure B	2595
Hurich J	68963
	69587
Hurka K	5615
	38101
Hurka W	74602
Hurlbert R E	77568
Hurlbut D	36382
Hurlbut L W	64753
Hurley D E	35959
Hurley H	50333
Hurley R	74557
Hurley (England) Grassland Research Institute	17163
	69547
	88570
Hurlimann H	76951
Hurndell L C	44380
Hurny T	49665
Hurov L	3671
	27998
	27999
	63028
	80549
Hurpin B	38102
	38103
	63752
Hurrell G T	3790
Hursh L M	7931
	86040
	86063
Hurska L	57031
Hurst A	37408
Hurst D	4044
Hurst D C	46072
	47644
Hurst H R	25898
	25899
Hurst H T	64976
Hurst J R	5862
	22595
	36371
	48676
	54057
	75908
	79965
Hurst R T	30798
Hurst V	12085
Hurst W M	6513
Hurt B C	17013
	17226
	51708
	52784
	70561
Hurt J	17712
Hurt V G	57645
	94296
	99343
Hurta J	85613
Hurtado C A	9004
	9005
Hurtado Izquierdo R	7352
Hurter N	762
Hurtig H	20822
	63793
	74487
	81368
Hurtubise F G	71582
Hurwicz L	75813
Hurwitz S	20222
	42713
	54715
	72722
Husabø P	50704
Husain A	16701
	59055
	87933
Husak S	63160
Husarova M	61425
Husarova-Dudikova A	5616
Husby M	55029
Huschka R	6514
Huseinov D M	51105
Huskens G	83697
Husmann W	49612

	Item
Husnain A Q	81661
Huss E	61904
Hussain F	390
Hussain H S J	25402
	29048
Hussain M	41799
Hussain S A	94161
Hussain S F	42969
Hussein N	45839
Hussel L	79858
	81273
	91030
Hussey C V	63000
Hussey N W	28991
	81887
	82383
Hussien E M K	29676
Husson J F	58158
Huston T M	3993
	45986
	45987
	72723
Huston W F	12693
Hustrulid A	84462
Husz I	24147
Huszár E	61813
Hutchcroft C D	88359
Hutcheon W L	51106
Hutcheson L M	36929
	45989
	72526
	72628
Hutchings A	3479
	25447
Hutchings H	63393
Hutchings H M	84342
Hutchings R J	12141
Hutchins H C	19073
Hutchins L M	8358
	8359
Hutchins R E	47089
Hutchinson D E	78936
Hutchinson F E	7204
	52094
	78625
Hutchinson G H	22684
Hutchinson Sir J	34463
Hutchinson J B	14247
Hutchinson J C D	6927
	72724
	72725
	72890
Hutchinson J H	40833
Hutchinson J S M	63518
Hutchinson K J	4045
	12170
Hutchinson M B	94807
Hutchinson M T	24466
	24485
Hutchinson R A	79821
	79966
Hutchinson R W	3268
Hutchinson T H	89689
Hutchison G O	10629
Hutchison H G	48628
	90497
Hutchison J A	27990
Hutchison J E	23486
	41108
	49472
Hutchison O K	18769
Hutchison P S	5735
	64850
Hutchison R S	31098
	31191
	39798
	57135
	57136
	57153
Huter R	24921
	50334
	67834
Huth F W	11144
	71973
	79674
Huth R A	70974
	79087
Huther W	82875
Hutin C	88653
Hutner S H	9006
	9007
Hutschenreuther G	38804
Hutt F B	3816
	19360
	28169
Hutt R B	73364
Huttar J C	66161
Hutten H	85121
Hutter R	86563
Hutter W	78827
Huttleston D G	52029
Hutto T A	8668
Hutton C E	17006
	18297
	18348
Hutton E E	72
Hutton J B	68731
Hutton K E	8602
	24254
	41800
	87029
Hutton R F	15616
	54174
Hutzl L	48919
Huun B	58849
Huvar A J	4726
Huwe K H	56764
Huwiler J	73949
Huxley H H	38033
	38104
	38305
Huxley Sir J	68124
Huxster W	10920
Huxster W T	90332
Huygelen C	11600
Huyke R	21772
Huynen M H M	8095
Huyskes J A	25819
	43616
	59931
Huzian L	73210
Huziwara Y	42223
Hvatum O O	43954
Hvidsten H	12212
	63591
Hvinden T	17982
Hvozdyak R I	77202
Hwang J	20223
Hwang S C	42366
Hwang T F	33168
Hwang Y L	50872
Hyama K	67327
Hyams E S	88837
Hyatt G	48066
Hyde A J	84051
Hyde B B	9269
Hyde C E	80106
Hyde F	34761
Hyde G E	13011
Hyde H A	16215
	86453
Hyde J L	63191
Hyde R	79408
	88513
Hyde R B	84341
	89155
Hyder D N	16646
	18298
	25909
	51798
	89316
Hyderabad Farmers' Union	2292
Hyderabad Regional Research Laboratory	32596
	76791
Hye H K M A	9824
Hykabder N	8139
Hyland K E	12404
	28863
Hyland P G	28417
	37286
	72894
Hylander N	50045
	52030
	58405
	86454
	86455
Hyldgaard-Jensen C	3768
	19847
Hyler J E	11011
Hylten-Cavallius B	4923
Hylton L O	1093
	77569
Hymowitz T	43864
Hyndrikx W	1936
	61905
Hynes H B N	55189
Hyppola K	27764
Hyre F M	40919
	67005
Hyre R A	77123
Hysen M	47698
Hyslop J D	84429
Hyslop N S G	54330
Hytten F E	94806
Hyttinen A	2920
	53654
Hyun S K	53385
Hyzik J	94225
Hzhyts'kyi S Z	37193
Iacob M	26065
Iacob N	63753
	63998
Iacovlev A	8669
	79146
Iadevaia R	3687
Iana A	26875
Ianchuk V Z	94226
Iancovici-Yaron B	89848
Iandolo E	40255
Iazagi A	34389
	34406
	34407
	43091
	43106
	43107
Ibach D B	31958
	53071
	57826
	70897
Ibarra E L	93228
Ibarra Grasso A	81552
Ibbotson A	63911
Ibielski E	6016
Ibnatova N Ya	68735
Ibragimov I A	73211
Ibragimov M	68732
Ibragimov M Kh	68733
	68734
Ibragimov N M	74063
	92757
Ibragimov R P	81961
Ibrahim I A	16016
Ibrahim M	2170
	73478
Ibrahim M A	33779
Ibrahim R K	9233
	51502
Ibraimova K	73087
Ibrishimov N	72047
Ichihara T	45289
	91213
Ichihashi M	70085
Ichihashi R	884
Ichikawa C	31254
Ichikawa M	4848
	82722
Ichikawa R	42639
Ichikawa T	79356
Ichinoe K	31442
	91365
Ichinohe M	77275
	87118
Ichioka K	85189
	85220
Ida H	62153
Ida K	34284
Ida S	51254
Idaho Crop Improvement Association	66199
Idaho Grower Shippers Association	75139
Idaho State Grange	7811
	15301
Idaho State Horticultural Society	34580
Idamskii B M	45988
Ide F P	63793
Ide Y	71778
	80658
Idel K	48527
	83138
Iden R B	45083
Idiart P	76132
Idle D B	59927
Idnani M A	61657
	70629
Idziorek B	68763
Idzon P F	61317
	61995
Iempracha S	25596
Ien' Sh V	26876
Ienaka H	53272
Ienohikari Kyokai	14879
Ierusalimskii N D	78428
Ievin' I K	61783
Ievins A	8027
Ievlev V V	2720
Ievleva I A	93149
Iffey J	80569
Iffland T	49081
Ifju G	62229
Iftimovici R	91119
	91320
Igarashi T	61164
Igaunis G	26877
Iggo A	63029
Igino S P	11722
Iglesias Selgas C	32376
Igmandy Z	24255
Ignatenko G T	40287
Ignatenok F V	70755
Ignatenok S V	7776
Ignatescu I	33158
	41745
Ignat'ev R R	54935
Ignat'ev V N	28418
Ignat'eva I P	8738
	16328
	50705
	59448
	68265
Ignatov G	90713
Ignatov I	54175
Ignatova O V	91339
Ignatovich G M	67835
Ignatowicz I	70261
Ignoffo C M	5230
	47156
	47157
Igolkin N I	63829
Iguti S	1348
Ihara M	39506
Ihara M M	79005
Ihara S	74938
Ihara Y	69689
	69690
Ihlemann W	42067
Ihlenburg H	72410
	81070
Ihlenfeldt H D	58656
	86456
Ihloff M L	39710
Ihrig D	26457
	61530
Iida I	80039
	81157
Iida S	59872
	59873
	59874
Iijima R	15760
Iinuma H	69152
Iizuka H	68066
Iizuka I	67701
Iizuka M	28483
	72848
Iizumi S	24515

	Item
Ikaheimo K	29535
Ikawa H	52554
Ike M	61056
	61377
Ikeda H	33972
Ikeda K	2226
Ikeda M	59932
	61064
	79623
	89541
Ikeda N	7100
	17455
	25973
	31410
Ikeda R M	7055
	7108
	57350
Ikeda S	1349
	46253
Ikeda Y	33806
	50863
	64041
Ikegami H	77124
Ikegami T	54544
Ikegaya K	33995
	35237
	35339
	42658
	44093
	59956
Ikemoto N	5006
Ikenberry R W	50335
Ikeno S	2520
Ikin R	25721
Ikoev F I	72915
Ikonnikov S S	87175
Ikonomov L	90952
	93303
Ikonomov P	29795
	47240
	47241
	47242
Ikram M	48823
Ikuse M	67328
Ilaga M T	33973
	33974
	34548
	34549
Ilan I	51107
Ilancic D	11269
	54331
	55086
	81274
	81275
	81276
	91764
Ilany-Feigen-baum J	13428
Ilchenco V	78351
Ilchievici C	34498
	43249
Ildarraz R J	80040
Ilevski A	10768
Ilgner J	66643
Ilibezova E P	53956
	72869
Il'ichev A K	11738
Il'ichev V V	12475
	63912
Iliescu E	51294
	52041
Iliescu G	29140
	45056
	79538
Iliescu L V	56550
	56580
Iliescu Ş	25148
Iliescu V	90333
	93222
	93243
Iliev A	35704
Iliev I	60235
Iliev P	68736
Ilija K	79239
Il'in A M	44012
	61867
Il'in G P	53386
Il'in G S	51503
	51504
Il'in M M	15758
	15759
	41172
Il'in S A	31959
Il'in S S	9008
Il'ina A G	25627
Il'ina A I	54332
Il'ina G M	763
	68266
	68267
Il'ina G V	75066
Il'ina M N	53066
Ilinca P	74603
	93220
	93221
Il'inskaya I A	58514
Il'inskaya N B	38475
	63754
Il'inskaya N L	8914
Il'inskaya R D	62872
	80405
Il'inskii A A	15551
	88945
Il'inskii A I	90260
Ilkov V	92189
Il'kun G M	90254
Ille C	43346
	87497
	87802
	88805
	93938
Illera M	54864
Illes A	27765
	29885
	72266
Illes E	53895
Illes J	53896
	62384
Illescas Frisbie R	13500
Illies J	13081
	92658
Illiev P	87699
Illinois Agricultural Association and Affiliated Co	76450
Illinois Bankers Agricultural Conference	85221
Illinois Board of Vocational Education Vocational Education Div	40834
Illinois Cooperative Crop Reporting Serv	83582
Illinois Crop Improvement Association	22802
	84962
Illinois Fruit Council	78021
Illinois State Grange	32244
	49528
Illinois State Horticultural Society	17282
	78021
Illman O	28085
Illner F	49235
	56822
	72625
	85699
	91506
	93888
Illuvieva V P	78417
Illyes G	68914
	70179
Il'menev S I	10448
Ilmurzynski E	44810
Ilnicka O	18294
Ilnicki P	89690
Ilnicki R D	17680
	52191
	52203
	52235
	52236
	52312
	60193
	60951
	70081
Iltis H H	41436
	41449
	67459
Iltis J	69468
	77912
	77913
Iltis W G	55830
	82468
Ilukevich A	45859
	62353
Ilumyae Ya Ya	60871
Ilves S M	16846
Ilvessalo Y	18719
Ilyas M	25238
Il'yashenko L Ya	4503
Il'yashenko M A	22618
Il'yasov S I	57931
Ilyukhin V P	46093
Ilyushin V	94391
Imadate G	13082
	13083
	47243
	47244
Imahara H	74983
Imai K	51505
Imai M	39572
	48528
Imai R	84228
Imai S	16600
	50132
Imaikin A D	18299
	69469
Imaizumi S	90371
Imamaliev A I	9422
Imamguliev S D	42336
Imamura F	28370
Imamura H	90434
Imamura N	59998
Imamura S I	59933
Imamura T	30507
Imangaziev K	58406
	89691
Imangaziev K I	70556
Imanov E D	63830
Imaoka E	25177
Imaseki I	68737
Imata J I	19307
	19308
Imazu T	47584
	68268
	68269
Imbs B	30540
	32045
Imfeld E G	68738
Imhoff R K	20008
Imielski A	47775
Imle E P	25974
	78249
Immikhuizen E	92144
Imming B J	48370
Impens I	70192
	70193
	78289
	78290
	78291
	78292
Impens R	68016
Imper A D	15081
Imperial Chemical Industries Game Serv	15496
Imperial Metal Industries Game Advisory Serv	63357
Imperial Tobacco Co of Canada	1658
Impey S G	7960
	19982
Implement & Tractor	29839
	47293
	64776
Imre J	35147
Imre L	66069
	75474
	93874
Imshenetski A A	87700
Imshenetskii V N	93005
Inaba S	64926
	91606
Inagaki C	76632
Inagaki H	69243
Inagaki Y	56549
Inako Y	1858
Inamatsu K	52494
Inamdar A N	23695
Inamdar Y V	35335
Inamura H	77457
Inanc N	33975
Inaoka M	30131
	30132
	31131
Incardona N L	33399
Ince S	37993
Inch R	89692
Incho H H	91963
Incze F	68739
Incze K	66044
Inden T	42640
Inderbitzen A L	10449
India Board of Agriculture and Animal Husbandry Animal Husbandry Wing	79967
	79968
	79969
	79971
	80041
	80042
	80498
	80912
	81138
	83723
	83852
India Board of Agriculture and Animal Husbandry Animal Husbandry Wing--Cont	83853
	85746
India Central Board of Irrigation and Power	52951
India Central Coir Research Institute Coir Board	6516
India Council of Scientific and Industrial Research	86260
India Dept of Co-operation	32301
India Dept of Economic Affairs	40470
	49156
India Dept of Food	93703
India Dept of Statistics	56511
India Directorate of Economics and Statistics	6079
	13579
	14435
	22849
	31072
	35072
	48959
	56389
	58220
	75749
	75783
	75826
	83646
	83647
	84052
	84463
	91964
India Economic Dept Div of Rural Economics	56474
India Labour Bur	23090
India Ministry of Food and Agriculture	76661
India Ministry of Irrigation and Power	89849
India Planning Commission	7499
India Rubber Board	40129
India Tea Board	6134
	39155
Statistics Br	21951
Indian Botanical Society	41272
Indian Central Cotton Committee	25400
	31366
	74984
	74985
Technological Laboratory	22217
Indian Central Tobacco Committee	1659
	85097
Indian Coffee Board	6135
Indian Cooperative Union	94297

	Item
Indian Cotton Mills' Federation	6517
Indian Cotton Textile Industry	84053
Indian Council of Agricultural Research	4418
	8096
	32598
	40032
	40580
	79967
	86261
	89032
Indian Grain & Feed Dealers Association	14248
Indian Jute Mills Association	13959
	22218
	48210
Research Institute	84054
Indian Lac Cess Committee	37471
Indian Paper Makers Association	79539
Indian Society of Agricultural Economics	94133
Indian Society of Agricultural Statistics	15614
Indian Sugar Industry	31557
Indian Tea Association	21952
Indiana Academy of Science	41109
Indiana Crop Improvement Association	34353
Indiana Dept of Conservation	57614
Div of Entomology	66283
	66284
Indiana Employment Security Div	7424
Indiana Farm Bur Cooperative Association	58221
Indiana Farmer-Retailer Committee	74469
Indiana Grain and Feed Dealers Association	74469
	84464
Indiana Horticultural Society	78022
Indiana State Dairy Association	56597
Indiana State Employment Serv	31764
Indiana State Poultry Association	37123
Indictor N	7188
Indinger J	14068
Indira K	84801
Indiramma K	15480
	86090
	86091
	86092
Indo-US Technical Cooperation Programme	49156
Indoh H	267
Indrea D	69998
Industrial Waste Conference	13454
Industrie Cotonniere Francaise	74986
Indyk H W	17435
	17801
	34762
Infan M	3672
Infante Arias J	35597
Infantov V	92936
Ing E G	25820
Ingalls D G	58105
Ingalls J E	62707
	90940
	90941
Inger E	4181
	80043
Ingersent E M	87678
Ingersent K A	5851
	49324
	58018
	76133
Ingersol F	69289
Ingersoll F S	1474
	1475
Ingerson H	33081
Ingestad T	79304
Ingledue R D	88359
Ingles D L	7262
Ingleton F G	35496
Ingleton N	6220
	47991
	93304
Ingley H A	66438
Inglis H	7205
Inglis H A	14581
	58989
Inglis H S	88128
Inglis J G	93344
Inglis J S S	36609
	81111
Ingold C T	764
	1094
Ingraham J L	47861
Ingram D G	63115
	63667
	80685
Ingram D L	11601
	19819
	19848
Ingram J	8218
	83049
Ingram J M	30047
	43250
	88571
Ingram M	14415
	56965
	83540
Ingram P L	72061
Ingram R H	27713
Inigo B	21949
	65301
Inkson R H E	16663
	46503
Inland Empire Multiple Use Committee	58084
Inman R	24184
Inman R E	41801
	87591
Innamorati M	59934
Innes D	83183
Innes N L	67962
	67966
Innes R R	88572
Inokuti A	70050
Inokuti S	26458
Inosaka M	87288
Inoue H	13012
	15828
	47158
	58748
	67538
	67539
	67540
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	68271
	70194
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Inoue I	48404
	69195
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Inoue K	35861
	81829
Inoue O	23392
Inoue Y	10608
	64084
	90361
Inouye D K	75750
Inouye M	46643
Inouye T	77232
Inouye T S	52497
Inouye Y	81435
Inozemtsev A A	55636
	82085
Insa Pesquera T	30649
Inskeep E K	11417
	63476
Institut des Recherches sur le Caoutchouc au Cambodge	17843
Institut des Recherches sur le Caoutchouc au Viet-Nam	43865
Institut Pasteur du Maroc	28864
Institut Pasteur du Viet-Nam	36326
Institut pour l'Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture	86262
Institute for International Education	23205
Institute of Corn and Agricultural Merchants	9372
	22487
Institute of Food Technologists	83541
Institute of Seaweed Research SEE Inveresk (Scotland) Institute of Seaweed Research	
Institution of Agricultural Engineers	13107
	64754
	73924
Institution of the Rubber Industry	22787
Instituto de Investigaciones Tecnologicas	32599
	76792
Instituto de Nutricion de Centro America y Panama	32439
Instituto Interamericano de Ciencias Agricolas de la OEA SEE Inter-American Institute of Agricultural Sciences	
Instituto para el Mejoramiento de la Produccion de Azucar	51839
	51840
Instituto Rio Grandense do Arroz	22488
	48529
Instituto Salvadoreno de Investigaciones del Cafe	25975
Instytut Uprawy Nawozenia i Gleboznawstwa	43063
	43064
	43065
	43066
	51593
	51594
	51595
	51596
	51597
	51598
Insulander N	49797
Insull G R	5787
Inter-African Bur for Animal Health	37053
	62385
	73050
Inter-African Soils Conference	35091
Inter-American Cacao Center	25976
Inter-American Cacao Conference	9950
Inter-American Institute of Agricultural Sciences	7500
	14510
	32600
	58159
	76410
Technical Consultative Council	49157
International Animal Nutrition Conference	19392
International Apple Association	56941
International Association of Governmental Labor Officials	14764
International Association of Milk and Food Sanitarians Mastitis Action Committee	3126
International Association of Milk Control Agencies	47894
International Association of Seed Crushers	40049
International Association of Veterinary Anatomists	53897
International Association of Veterinary Food Hygienists	83465
International Beekeeping Congress	64150
International Biophysics Congress	58366
International Botanical Congress	32707
	49936
International Commission on Irrigation and Drainage	44381
International Commission on Trichinosis	45290
International Commission on Zoological Nomenclature	71779
	21122
	21123
	21198
	55728
	55955
	56026
	56027
	56028
	73868
	73902
International Conference on Cooperative Science	58222
International Conference on Corynebacterium Sepedonicum and Pseudomonas Solanacearum	16105
International Conference on Sanitary and Administrative Regulations Affecting the National and International Trade in Livestock and Meat	39964
International Congress of Dietetics	49666
International Congress of Pure and Applied Chemistry	32497
International Congress of Soil Science	52368
International Congress on Animal Reproduction and Artificial Insemination	79632
International Congress on Nutrition	86047
International Cotton Advisory Committee	22219
	65614
	65615
	74987
International Crop Improvement Association	1421
	69290

	Item
International Dairy Congress	93270
International Dairy Federation	74659
	83758
International Federation of Agricultural Producers	7501
International Federation of Cotton and Allied Textile Industries	93499
International Horticultural Congress	88814
International Institute for Land Reclamation and Improvement	26459
International Institute of Refrigeration	65217
International Labor Organisation	85291
	85732
International Oil Mill Superintendents Association	14468
	14469
International Organization of Citrus Virologists	59150
International Rock Garden Plant Conference	69836
International Sericultural Technical Conference	73480
International Society of Sugar Cane Technologists Pathology Sect	50187
Standing Committee on Sugar Cane Diseases	50188
International Superphosphate Manufacturers' Association	70898
	89936
International Symposium on Growth	67151
International Tea Committee	39156
	83648
International Training Centre on Methods and Programme Planning in Agricultural and Home Economics Extension	85853
International Trust for Zoological Nomenclature	46747
International Union of Forest Research Organizations	44549
International Union of Game Biologists	92017
International Veterinary Congress	53898
	53899
International Veterinary Federation for Zootechnics	53900
International Wheat Council	65884
	84465
Internationale Genossenschaftswissenschaftliche Tagung	58223
Internationale Tagung der Europaischen Fleischforscher	84565
	84566
Intonti R	39157
	56966
Intrieri F	74821
Introna S	40471
Inverarity R B	53581
Inveresk (Scotland) Institute of Seaweed Research	85122
Invrea F	21330
	29595
	37974
	38382
Ioan E	43346
Ioan T	77894
Ioanes R A	32377
	47699
	85983
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Ioanid N	84466
	84467
Ioannidis I D	37742
Ioannisiani T G	46461
Ioannisyan S L	90833
Ioffe A I	10918
Ioffe I A	21639
Ioffe M D	8801
	68272
Ioffe R K	61531
Ioffe R Ya	67768
	86735
Ioffe Ya A	44531
Iofinov S A	13317
Ioganzen B	23783
Ioganzen B G	86175
Ioiriche N	84540
Iojo G dello	75399
Iollos D S	55290
Ionaitis S	53326
Ionascu G	2801
	35919
Ionass A A	6417
Iones R A	85982
	85984
Ionesco T	50596
	77321
Ionescu A	26964
Ionescu A I	74604
Ionescu D	91664
Ionescu E	51978
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	90595
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Ionescu M	87939
	87940
Ionescu N	94062
	94063
Ionescu N H	44954
Ionescu P	71367
Ionescu S	89742
Ionescu T D	93222
Ionita C	18394
	22814
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	61318
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Ionov B D	62032
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Ionova A	14123
Ionue T	37861
Iordachescu C	52076
Iordachescu O	51027
Iordanescu I	91765
Iordanov I	90818
	91756
	93969
Iordanov M	52095
	89156
Iordanov S	90834
Iorov I	54613
	54614
Iosifov M	38306
	38307
	38337
Iositov K	3026
Iotov I	93305
Iotov L	86655
	89157
Iotsyus G P	72626
Iowa Academy of Science	58367
Iowa Crop and Livestock Reporting Serv	31960
Iowa Crop Improvement Association	75693
	75694
Iowa Dept of Agriculture Div of Agricultural Statistics	21917
Iowa State University of Science and Technology	75695
Center for Agricultural Adjustment	7502
	56368
	56449
	57626
	57752
	58085
	85386
Iowa Swine Producers Association	63560
Ipat'ev A N	25613
Ipatov V S	59269
	87176
	87289
Ipekdzhiyan V M	71300
Ippolitov L S	52031
Ippolitova V I	72411
Iran Ministry of Customs and Monopolies	40988
Irani S	30508
	30650
	47786
	65218
Iraq Agricultural Bank	40310
Iraq Central Bur of Statistics	30321
	56513
Foreign Trade Sect	7878
Iraq Directorate General of Agricultural Research and Projects	61276
Irby J D	14353
	40104
Iregui B A	6062
	7954
Ireland C E	22660
Ireland Central Statistics Off	23419
	40989
	47822
	74558
Ireland Commission on Income Taxation	40362
Ireland Dept of Agriculture	4301
	7503
	9476
	11270
	17046
	19849
	20730
	28369
	28727
	31832
	34901
	36182
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Ireland Dept of Finance	40990
Ireland Dept of Lands Forestry Div	2565
Ireland Electricity Supply Board	5887
	93006
Ireland Land Commission	85700
Ireson M J	5799
Irey W R	78196
Iriciuc V	55510
Irie M	64878
Irikin V F	62798
Irish Agricultural Organisation Society	76451
Irish Coursing Club	72288
Irish Kennel Club	45734
	80521
Irita M	31558
Iritani W M	60872
Irlenbusch J	16995
Irmak A	35798
Irmscher E	41404
Irodov A V	47280
Irons J M	5888
Iroshnikov A I	61906
	71210
Irreverre F	77803
Irrigation Engineering and Maintenance	10382
Irsara A	41173
Irshad S M	17713
Irvine A B	67276
Irvine C E	86457
Irvine F R	50046
Irvine G N	39824
Irvine H G	10737
Irvine J A	83901
Irvine K C	60777
Irvine O R	74705
Irving G W	48345
	49158
Irving M R	27623
Irving R	44800
Irwin D H G	3127
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Isa J M	3694
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Isaac G J	86040
Isaac I	24256
Isaacs D C	43740
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Isaacson C	94810
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Isaev V I	62800
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Isaeva E V	33355
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Isaksson A	27766
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Isbell A F	84811
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	Item
Isely L	1935
	31516
	31517
Isenberg G	66390
	75827
Isenberg I H	2654
	79540
Isenberg R	57782
Isenstein R S	80303
Isermeyer H G	21535
Ishakoglu O	44284
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Ishaq S M	45426
Ishaque M	48447
Ishchenko F I	9423
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Isherwood M	75751
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	24938
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Isikawa I	26878
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Iskenderov A	76134
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Islam A K M N	32921
Islam A S	24591
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Islam M A	26267
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Islam N	67554
Islamov I I	11582
Isle of Man Board of Agriculture and Fisheries	86115
Isleib D R	6726
Islent'eva K M	63488
Isler D A	12642
Ismagulov G I	79305
Ismail I A H	55837
Ismail M M	39675
Ismailov A S	91700
Ismailov G S	88276
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Ismailov Kh A	41802
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Ismailova U	4097
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Isnatenko N I	13237
I'so I	43741
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Isobe H	57933
Isobe S	68127
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Isopescu I	27365
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Israel P	12476
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Israel Information Dept	49159
Israel Ministry Of Agriculture Cattle Dv Poultry Dept	36419
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Israel Peanuts Production and Marketing Board	88719
Israelsen O W	26460
Israelson G	92369
Israelson M A	10533
Israelyan M M	89158
Israngkul A	4843
Issa J D	31132
el-Issawi H F	4182
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Isshiki Y	71681
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Issiki S	73376
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Istituto Cotoniero Italiano	84055
Istituto di Tecnia e Propaganda Agaria	94299
Istok B	27767
Istomin L A	90200
Istomin M N	17175
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Istomin M S	34464
Istrate L	71368
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Istratov E N	1913
Istratova O T	61825
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Iswaran V	2512
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Itagaki M	68865
Itagi T	25810
	25821
Italo Rivas C	19496
Italy Amministrazione Autonoma dei Monopoli di Stato	14632
	40207
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Italy Azienda di Stato per le Foreste Demaniali	18640
Italy Istituto Centrale di Statistica	56514
	65263
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Italy Istituto Nazionale di Economia Agraria	49115
Italy Istituto Nazionale per l'Assicurazione Contro Gli Infortuni Sul Lavoro	40388
Itano A	35196
Iterson W van	3954
Itie C G	17320
	78197
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Itie Lecoat M	34902
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Itikawa O	90787
Itina M	22140
Ito A	28330
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Ito E	32786
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Ito H	189
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Ito K	8983
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Ito N	9147
Ito P	52080
Ito R	34408
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Ito S	24923
	24924
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Ito T	4850
	18846
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	82037
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Ito Y	47010
	81663
Itoafa E	9414
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Itoga A	92013
Itoh H	80940
Iton E F	8466
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Itria C D	23976
	87290
el-Itriby A A	72455
Itschner E T	19955
Itskov N Ya	61023
Itze L	91673
Itzerott A G	13731
Itzfeld K	21675
Itzfeld W	38760
Iurascu C	78937
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Iurka H H	17714
Iuzmi K	83370
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Ivan G	26847
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Ivanchenko A	56144
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Ivanchenko E	56144
Ivanchenko I P	14577
Ivanchenko V M	68740
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Ivancheva-Gabrovska T	63917
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Ivancich-Gambaro P	5450
	47159
Ivanenko B I	89980
Ivanescu M	87939
	87940
Ivanescu S	71211
Ivanic J	68741
Ivanicova S	45291
Ivanitskaya E F	68273
Ivanitskaya L P	31
Ivanka L	75383
Ivannikov S G	68274
Ivannikov S P	18957
Ivanoff S S	335
	1859
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Ivanov A A	45675
Ivanov A P	25324
Ivanov B G	28667
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Ivanov D N	78352
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Ivanov G S	26879
Ivanov I	72199
Ivanov I K	24925
Ivanov I V	69357
	69358
Ivanov K	11602
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Ivanov Kh	12255
Ivanov K M	3269

	Item
Ivanov M M	62386
	62387
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Ivanov N	11966
	37367
Ivanov N A	7449
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Ivanov V K	3352
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Ivanov V P	35377
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Ivanov Ya A	33978
Ivanov Yu	47545
Ivanov Yu M	36135
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Ivanova A F	46217
Ivanova A I	6298
Ivanova A N	14445
Ivanova C A	94149
Ivanova E A	45911
Ivanova E N	18175
	18176
Ivanova I D	88797
Ivanova K V	34904
	72173
Ivanova L K	31562
Ivanova L M	55292
Ivanova M A	91871
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Ivanova O E	66886
Ivanova P S	55087
Ivanova R M	34467
Ivanova S	36757
Ivanova S V	51506
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Ivanova V	13178
Ivanova V I	6961
	44229
Ivanova V V	27535
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Ivanova Z I	63294
Ivanova Z V	63918
Ivanovic V	70899
Ivanovskaya E V	68276
Ivanovskaya O I	20731
	81888
Ivanovskii A I	88278
Ivanovskii L	94518
Ivanovskii N P	89693
Ivanovskii S A	3128
	91032
Ivantsov L I	11616
	55339
Ivantsova T I	60577
Ivanyuta V M	26779
	53228
	61784
Ivarovskii P S	89266
Ivarson K C	35148
Ivascu V	81675
Ivasenko G	94072
Ivashchenko E G	88749
Ivashin D S	42118
Ivashinenko K P	7057
Ivashkin G	15058
Ivashkin V M	71780
	72167
	72412
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Ivchenko N I	18958
	26880
Ivchenko N P	69359
Ivchenko S I	1784
	67450
Ivcher M I	79541
Ivekovic H	15553
Ivens G W	34995
Ivens V	28497
	72854
Ivers S W	3474
Iversen C E	7599
Iversen K	26269
	35614
	52765
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	89694
Iverson C A	56765
Iverson G E B	16329
Ives J D	77304
Ives J R	6877
	14327
Ives W G H	64548
	81897
Ivey M C	28865
Ivey W D	28367
Ivins J D	1585
	80135
Ivkov R	10738
Ivlev M M	52857
Ivliev N I	79204
Ivos J	27696
	27768
	27769
Ivos R	28620
Ivushkin I F	70342
Ivy J T	27720
Iwabuchi H	64217
Iwadare T	62218
Iwado K	30507
Iwai T	34408
Iwaida M	6363
Iwakata I	40581
Iwakawa M	2775
Iwakawa O	62033
Iwaki H	34093
Iwaki N	42801
Iwamizu Y	2737
Iwamori H	54779
Iwamoto K	41514
	41515
Iwamura I	82026
Iwanari Y	82038
Iwane K	34425
Iwano S	83649
Iwanska W	66070
Iwasa J	88158
Iwasa Y	52658
	61137
Iwasaki A	34675
Iwasaki N	16330
	77378
Iwasaki S	91326
Iwasaki S I	38896
Iwasaki T	42641
	68743
	69717
	77724
Iwashina S	31559
Iwashita M	2972
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	75396
Iwata H S	48928
Iwata I	9270
	9271
Iwata J	25722
	25723
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	55888
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Iwata M	23091
Iwata T	12879
Iwata Y	581
Iwatsuki K	190
	191
	8262
	8266
Iwatsuki Z	1785
Iwema S	56823
	62505
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	62664
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Iya K K	13696
	80042
	83723
Iyama S Y	919
Iyengar A V V	557
Iyengar C V K	24926
	25724
	77379
Iyengar M A S	35286
Iyengar M O P	58759
Iyengar M R S	70393
Iyengar M T	22874
Iyengar N K	77914
Iyengar N V R	6654
	7328
	13653
Iyengar N V R--Cont	31002
	31538
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Iyer C P A	42287
Iyer H N	66189
Iyer K A P	69718
Iyer R D	16395
Iyer S G	80912
Iyer T A G	44090
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	45973
Izak S	93875
Izakov F Ya	66190
Izakova L P	38199
Izakson Z H	39615
Izamilov I A	11967
Izard C	16017
	24927
	33229
	33230
	86817
Izawa H	28703
Izbekov A A	71212
Izdebski K	58587
Izeki A	52504
	52505
Izmailov I A	54334
Izmailov Yu	13235
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Izquierdo Tamayo A	87291
Izrael G	19074
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Izrail'skii V P	523
	59937
Izumi K	13455
	14982
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Izumi T	55335
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Izvernariu I	85013
Izyumov S P	52953
Izyumskii P P	27011
Izzi R	80714
	80869
	80870
	81108
	83974
Jaag O	61667
Jaakkola O	18471
Jaanson H	45652
Jaap R G	12005
Jaartsveld F H J	12298
	45699
	46230
Jaartsveld F H J--Cont	54414
	91033
Jääskeläinen P	43505
Jaasund E	15835
	58760
Jabart M	19850
Jablan-Pantic O	54780
Jablonski B	25977
Jabotinsky A	655
Jacek J	83195
Jacek K	57708
Jacini F	79113
Jacini G	14447
Jack E J	3475
Jack E L	6179
Jack K M	12776
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Jack W H	18794
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Jackman R H	26284
Jackobs J A	34485
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Jacks G V	26008
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Jackson A W	10828
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Japan Chemical Fibres Association	93500
Japan Cotton Traders' Association	13989
Japan Cultural Science Society	15168
Japan Dept of Agriculture and Forestry	21918
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Japan FAO Association	31834
Japan Farm Machinery Manufacturers Association	64778
Japan Forest Technical Association	26671
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Japan Prime Minister's Off Statistics Bur	83585
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Japan Seed Potato Association	25822
Japan Sugar Refiner's Association	31560
Japan Union of Association of Economic Sciences	22971
Japanese Society of Veterinary Science	27369
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	Item
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Jersey Cattle Society of the United Kingdom	3270
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Jersey Dept of Agriculture	40226
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	Item
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Joint Commission on Rural Reconstruction in China (U S and China)	7694
	57829
Joint Committee on Economy and Efficiency in the Preparation of Infant Feeding	82951
	41040
Joint Demeton-Methyl Residues Panel	84199
Joint FAO/WHO Expert Committee on Food Additives	56424
	83466
Joint Mercury Residues Panel	5941
Jokela M	69360
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	Item
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Jönköpings Läns Hushållnings-salskap	70562
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Jordan Dept of of Agricultural Research Deir Alla Research Station	69291
Jordan Dept of Lands and Surveys	31963
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Jordan Ministry of National Economy Dept of Statistics	6082
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	Item
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Jürgens-Gschwind S	44203
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Jyoti D	46787
Kaaber S	21396
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Kaarlehto P	31837
Kaarma A	46246
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Kacherauskis D	56768
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Kachhwaha S S	89428
Kachibaya I D	88463
Kachinskii N A	43884
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	Item
Kachroo P	52238
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Kacperska A	16654
Kacperska-Palacz A	77583
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Kacso A	29918
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Kaczmarek Z	44386
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Kaczor M	64165
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Kadar Zs	26814
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Kadyrov N T	63479
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Kalovoulos J M	17987

	Item
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Kanovsky E	23268
Kansas Board of Health Div of Vital Statistics	5669
Kansas City (Mo) Board of Trade	48533
Kansas Crop Improvement Association	22808
	66202
Kansas Soil and Water Conser-vation Needs Committee	89910
Kansas State Board of Agriculture	74559
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Kansas State Grange	40894
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Kansas Wheat Commission	75308
Kanskii K E	40584
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Kapadia G J	60325
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Kapas S	8468

	Item
Kapas S--Cont	17051
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Kaplan E	6898
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Kaplan S M	47280
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Kaplunov M M	38680
Kaplunovskii P S	79206
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Kaptereva Yu V	35197
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Kapustin V A	64992
Kapustina R I	20734
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Kar B K	33990
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Karachi Institute of Development Economics	47823
Karacsonyi S	2917
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Karaivanov I	82956
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Karakoeltelers-vereniging van Suidwes-Afrika	37176
Karakolov G	93539
Karakulov I K	62394
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Karan-Durdic S	31245
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Karandina R S	4516
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Karapetyan K A	87712
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Karaseva A M	2364
Karasevich Yu N	68760
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Karatysh A G	82957
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Karavaeva R	4687
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Kardos L T	10289
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Kardymowicz O	37157
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Karelin V N	62575
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Karelina O M	59462
Karelina R I	37645
Karev N V	53007
Karg H	62807
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Kargin L P	26815
Karhuvaara L	24429
Kariba Lake Coordinating Committee	9882
Karibaev K	3043
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Karibasappa B K	24594
Kariger J J	41333
Karim A Q M B	16657
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Experimental Farm Laboratory of Soybean Breeding	
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Karlinsky A	82731
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Karoo Region Veld Burning Investigation Committee	2243
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Karpunin I V	77897
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Karr M R	46123
Karrholm M	39469

	Item
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Karsandas R	22492
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Kauffman A T	19147
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Kauffman F L	7060
Kauffman R G	14382
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	Item
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Kaurov I A	18961
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Kaushik D K	77872
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Kavanagh L R	9497
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Kavtaradze G	54995
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Kawabata T	13548
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Kawasaki T	60366
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Kawata S I	1113
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Kawecki Z	21287
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Kayser H	46345
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Kayudin I A	63896
Kayumov Yu	43619
Kazachinskaya T P	20888
Kazak N A	63616
Kazak V A	28600
Kazakov I G	65618
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Kazakova A A	33637
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Kazakova I P	74034
Kazancioglu K	37993
Kazanina A E	2944
Kazankin A P	44478
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Kazanskaya L N	59957
Kazanskii A N	55416
Kanzanskii I I	27378
Kazanskii N N	94635
Kazantsev A	27088
Kazantseva N D	43254
Kazanzhi V	69552
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Kazarski R	70272
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Kazaryan M S	78939
Kazaryan V O	42233
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Kazimirskii N K	46556
Kazlauskas J	53909
Kazmi M A	43881
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Kazmirenko F L	21746
Kaznacheev E P	26278
Kazsuk B	5695
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Kazubowska-Mackiewicz T	68286
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Kazumov R	76141
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Kczynski A	32476
Kealy J K	3770
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	Item
Keeton W T	29305
Keever C	77342
Keeznetsova L A	68543
Kefford J F	6041
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Kefford R O	93600
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Keim D	56052
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Kelembet T S	5736
Kelemen A	80931
Kelemen Gy	74011
Kelemen I	17051
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Kellerman J H-- Cont	62668
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Kempton A G	84024
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Kemula F	70198
Kemulariya-Natadze L M	41411
Kenaga D L	53707
Kenaga E E	20865
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Kendall A R	7402
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Kendall W A	42876
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Kenefick D G	59959
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Keniston R F	44624
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Kenjo Y	64086
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Kenkel W F	56369
Kenknight G	59152
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Kennard G B	51657
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	Item
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Kennel H	44934
Kennel R	71168
Kennel Club	27951
Kennelly A G	1862
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Kennerly A B	4810
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Kentucky Dept of Agriculture	58369
Kentzer T	87775
Kenworthy A L	1354
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Kenya Dept of Agriculture	15499
	41113
Kenya Farmers' Association (Co-operative)	32307
Kenya Forest Dept	26708
Kenya Lands Dept	14987
Kenya Meat Commission	39889
Kenya Ministry of Agriculture Animal Husbandry and Water Resources	76663
Kenya Veterinary Dept	27379
Kenyon A H	31137
Kenyon J M	17269
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Kepner R E	48771
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Kerala Dept of Agriculture	9594
Kerala Dept of Museums and Zoos	58516
Kerala Planning Dept	85390
Keranen T	10218
Kerbabaev E B	63832
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Kerdivarenko A	74106
Kerefov K N	59465
Kerefova M K	59466
Kerékgyártó P	48213
Keremidchiev M	37822
Kerenyi E	60785
Kereselidze Sh Ya	5759
Kereszteny B	70269
Keresztes M	91703
Keresztesi B	10535
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Kerken A E van	306
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Kern County (Calif) Dept of Agriculture	74560
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Kerry Hill Flock Book Society	4047
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Ketskhoveli N N	73
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Keyser J S	75879
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Khabibullin Sh A	69704
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Khaidarov R	18305
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	Item
Khainovskii E I	18964
Khairov Sh	64852
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Khakhina L P	93149
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Khakimova R	21398
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	Item
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	Item
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	Item
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	Item
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	Item
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Koblitsky L	31247
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Koblitz H	27185
Kobo K	52503
Kobor L	79530
Kobozeva L N	34017
Kobozieff N	36947
	63193
	80686
Kobr M	34109
Koburger J A	13738
Kobus J	10073
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Kobus K	74259
	83258
Kobusiewicz T	53923
	62402
Kobuski C E	766
Kobylinski F	90473
Kobylka B	50707
Kobylyanskii A D	47549
Kobylyanskii V D	87425
	87733
Koch A	57274
Koch A R	31674
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Koch L	62260
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Koch M J 6534
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Koch R M 3302
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Koch S A 3161
Koch V 7140
Koch W 9030
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71034
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Koch W J 8742
50721
Koch de Brotos L 8362
Kochan W 39753
Kochan W J 35541
59974
Kochankov V G 87565
87566
Kochanov N E 11610
81534
Kochanovskii S B 68740
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Kochanski J 19922
Kochanski P 53147
Kochemasova D P 6965
Kochenenko D 5762
70761
Kochenko Z I 86744
Kocher F 59975
Kocher L 64349
82285
Kocher S 44535
Kochetkov S V 47297
83196
Kochetov B 72780
Kochev K 18557
26557
Kochev Kh 58583
58589
58590
68573
Kochkar' N T 1700
Kochkar' N T 2725
Kochkareva T F 32791
Kochkin M A 61122
Kochkin S 60918
Kochman J 16023
Kochnev A 49290
Kochnev A A 40289
Kochurin A I 90650
Kocic-Mitrovic D 11711
Kocis J 91833
Kockova-Kratochvilova A 75756
Kockum S 81847
Kockum S P L 37772
Kocmid V 73188
73189
Kocmid V--Cont 73212
92062
Kocor M 8152
Kocsardi S 52776
Kocsis S 92264
Kocsondi A 47375
Kocwa E 48330
Koczka L 63578
Kodaira Y 4883
37474
Kodama H N 64251
Kodama K 32982
Kodama S 32982
Kodama T 456
1785
34909
Kodani M 58997
Kodani Y 78295
Kodde J 94444
Kodera M 25651
Kodicek E 11279
Kodikara M C 85391
Kodinets G A 54785
Kodituwakku G E 27381
Koebele F 10611
Koechlin J 8142
88590
Koedzhikov Kh 34009
Koehler A 45766
Koehler C S 4628
5008
Koehler J K 68289
Koehler J W 17721
Koehler W 20890
29149
47162
53115
55569
Koek W A 45204
Koelle G 25212
42374
Koen J 59153
Koen Mosse J 56973
65716
Koenen 74829
Koenen K 30656
Koenig N H 48215
Koenig O 79973
Koenig R L 90207
Koenigs F F R 52411
52412
Koenigswald H von 23789
Koenraadt J 25980
70061
Koepf H 44018
Koeppel H R 20111
Koeppen A von 62152
Koeppen B H 30133
69205
Koeppen R 67459
Koerner F 3493
Koester F W 3749
Koesterer M G 57408
Koestner A 63031
63032
63646
Koetsveld E E van 3324
11170
27262
Koetsveld E E van--Cont 28205
Koevenig J L 42670
Kof E 1892
Kofer H 29191
Koffler M 57081
Koffman A J 25453
Koffsky N M 56370
74561
94046
Kofler A 17350
Kofler L 34010
Kofoed A D 18310
38847
70569
Kofranek A M 18311
18322
52795
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Koga O 36968
37132
Koga T 33456
Kogai E S 63839
63840
Kogai M T 88368
89702
Kogan L M 29078
Kogan M 4515
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Kogan R M 17994
Kogel W 17179
Koger M 3017
11408
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Koger R B 45780
Kogo T 91139
Kogos A Ya 94034
Kogotkov A Ya 70258
Kogstad K 5697
Koh F K 3876
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Kohan S 71222
Kohan T 31550
Kohane J 28874
Kohel R J 42418
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Kohl H C 1175
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Kohl P A 1788
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Kohler A 13135
Kohler E 59154
74260
Kohler F 13066
Kohler G O 27263
51491
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Kohler H 15913
41813
41814
45993
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Kohler H--Cont 53916
Kohler H J 74067
Kohler J 70960
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Kohler J R 93837
Kohler M 38310
Kohler P E 82828
Kohler P H 28911
Köhler W 63297
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Kohlfurst K 40836
Kohli B R 22495
Kohli M L 11422
80049
Kohli R C 14651
39531
Kohlmaier H 89938
Kohlmeyer J 16665
24089
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Kohlmeyer W 11924
20176
20177
20178
Kohls G M 4926
4927
4928
12385
20668
21067
27372
73562
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82127
92331
Kohls R L 75641
84890
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Kohlschreiber W 45759
Kohlstock N 61827
71223
Kohn A 63298
Kohn G K 38894
Kohn H 60244
Kohn K 30905
67060
Kohn R 14484
48776
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Kohn R W 85031
Kohne H 22426
Kohne J 17303
Kohnlein J 1593
44215
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Kohno M 24663
Kohnova Z 66230
Kohout J C 94401
Kohout R 30324
Koide S 32087
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Koide T 46853
Koike H 4629
82735
Koike S 88165
Koinash V A 80327
Koishi H 86097
Koishi N 49671
86097
Koitsch W 47895
Koitzsch R 9999
Koivistoinen P 37475
Koivunen T M 66657
Koiwa N 35125
Koizumi T 29958
Kojic M 42126
Kojima K 4768
59717
Kojima Y 40056
Kojnok J 53917
Kojoukharoff M I 73485
Kok B 51514
88171
Kok H A 83333
Kokanovic R 54647
Kokatnur M G 28206
31335
Kokawa S 76847
Kokenda M 84301
Kokeny B 24718
Kokhan M A 7248
57537
Kokhiya A B 92304
92305
Kokhno M A 70435
Kokles R 36622
Koklyanov A F 10419
Kokorina E P 19859
54353
Kokot J 43909
Kokot O P 12481
Kokotek V 72744
Koksal O 15436
Kokurichev P I 81078
Kol E 42671
Kol' M A 7605
Kolabskii N A 91516
Kolaian J H 52420
Kolakovic R 79310
Kolakovskii A A 49996
Kolar I 28437
Kolar J 80328
Kolar K 21575
Kolari O E 54182
Kolb E 3494
11280
11611
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Kolb F 43788
Kolb H 74663
Kolbach P 57161
Kolbai K 23170
Kolbasina E I 59469
Kolbe E L 26943
Kolbe M 7952
Kolbe M H 51898
51914
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60693
60717
Kolber L 49086

	Item
Kol'berg V N	70104
Kolbezen M J	57060
	84320
	84330
Kolboe S	36044
Kolboe S	36119
Kolchev N A	91426
Kolchin B A	90378
Koldanov V Ya	50600
Kolde K	63558
	91759
Kolding K E	39308
Koldovsky P	46043
Kole A P	767
Kolega J J	76777
Kolehmainen V A	18851
	90115
Kolejak M	30810
Kolek J	33578
	87734
Kolesnev S	14988
Kolesnev S G	85545
Kolesnichenko M V	26884
	42672
	87735
Kolesnik I I	66468
Kolesnik L V	24946
	42673
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	60718
	87736
	93540
Kolesnik M M	36152
Kolesnikov A I	88839
Kolesnikov B P	35659
	61747
	67394
Kolesnikov D G	42977
	60337
Kolesnikov N	11171
Kolesnikov N V	90528
Kolesnikov P A	34313
	43004
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Kolesnikov P O	68645
Kolesnikov S M	59470
Kolesnikov V A	16666
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	56944
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Kolesnikova P D	87737
Kolesnikova T D	32652
Kolesov A M	27779
Kolesov S G	20398
	62396
	62397
Kolesova A I	3130
	36269
	62806
Kolesova N I	27779
Kolev N	24947
	52101
	68783
	68784
Kolev V M	42687
Kolganov K	5790
Kolhe A K	60876
	78157
	78766
	89170
Kolic I	19504
Koligaev N	69665
	88754
Koliko E L	47527
Kolin'ko T V	69749
Kolipinski M C	86588
Kolk A	62828
Kolk E	62828
Kolk H	77591
	86825
Kolkhodzhaev M K	44114
Koll D	11084
Koll F	56266
	56285
	74287
Koll H W	91043
Kollanyi A	44935
Koller D	77592
Koller E F	93352
Koller J	66026
	74148
Koller R	3136
	30235
	53920
Kollmann F	2548
	26697
	36140
	53551
	58410
	79604
Kollmann F F P	10938
Kollmann R	8743
	33658
Kollmer G	77237
Kollmorgen G	36348
Kolln H O	27041
Kolmakova A G	63831
	63841
Kolmark H G	33904
Kolmer L	21811
	56366
	56391
	56392
Kolobkova E V	68785
Kolobolotskii G V	6966
Kolobov G G	74219
Koloc K	2989
Kolochine-Erber B	19445
	19518
	90586
Kolodny R M	30283
Kolodzeva E E	72031
	72048
Kolodziejczak M	62232
Kolodziejek B	65105
Kololgi S D	24809
	24810
Kolomakin G A	62398
	71789
	72172
	72173
Kolomeitsev N	72023
Kolomiets A A	5698
Kolomiets I A	59471
	59977
	59978
Kolomiets N G	55597
	92621
Kolomiets O K	88755
Kolomiets T A	68786
Kolomiitsev I	47501
Kolomin E V	14729
Kolomyitsev G G	59472
Kolonits J	73379
Kolontaev V M	17351
	88903
Kolos F	19268
	27122
Kolos P	89853
Kolosha O I	16760
Koloshia I L	78646
Koloskova A V	17890
Kolosov M N	66469
Kolosovskii V L	80334
Kolossa T	76758
	94615
Kolossvary Sz	52777
	74339
Kolossvary Mrs Sz	61914
Kolosvary G	73504
Kolosy E	46558
Kolotii N A	46393
Kolotova S S	59885
Kolotushkina A P	92731
Kolp B J	1184
	88369
	88418
Kolpakov V V	18481
Kolpikov N V	29913
	56155
Kolpy I	29306
	73563
Kolsek J	74995
Koltai A	26280
Koltay A	51660
	52778
	59447
	61467
	70571
	70572
	77874
	78203
	78767
Koltcheva B	18083
Koltun S P	48751
Koltunowicz M	92700
Koltun S P	6482
Koltushkin I S	69369
	69370
Koltyshev A F	81536
Koltz W	65708
Kolyasev F E	61073
Kolyshev P P	47280
Kolyshkina N S	27545
Komagata K	68066
Komaki S	7323
	51505
Komandarev S	45311
Komanich I G	60735
Komar G A	59473
	68290
	68363
Komar I V	85748
Komar S	2577
	44592
	70990
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Komar V A	8173
Komarek E	48700
	75475
Komarek J	63168
	80578
Komarek K	63756
Komarek R J	4135
	11281
Komaromy Mrs I	45125
Komarov F P	36056
	36057
	71519
Komarov I A	1122
Komarov L L	27629
Komarov N M	30048
	38806
	38812
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Komarova E P	67605
Komarova M	92823
Komarova O S	60719
Komarovsky B	641
Komatsu A	84625
Komatsu K	37936
Komatsu N	13965
	39511
Komatsu T	71012
Komatsu Y	72432
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Komatsuzaki A	1123
Komazawa T	16600
Komen J P	57535
Kometani K	25256
Kometani T Y	44980
Komin A	93128
Komischke E	12214
Komissarenko N F	42977
Komissarov D A	2726
	90208
Komissarov E A	61915
Komiyama T	36972
Komkova M	69950
Komkris L M T	66752
Komlossy Gy	86826
Kommedahl T	1279
	8473
	51387
Kommodov V V	60541
Kommunisticheskaya Partiya Sovetskogo Soyuza	76022
Tsentral'nyi Komitet	94300
	94301
Komoda K	23271
Komosinska	81826
Czwartacka H	82531
Komoti S	9031
Komoto M	24990
Komov K A	9479
Kompis I	9229
	88172
Komshilov N F	36046
Komuro Y	77238
Komyakhov V	39091
Kon S K	90651
	93310
Kon T	61056
Kona E	80996
	90976
Konarska A	54588
Konarska A A	27445
Konashevich Z I	35188
Konasov Yu A	89795
Koncalová M N	68787
Konchady D	92021
Konczewska A	84347
Kondak M	52102
Kondakov V V	66540
Kondakova O A	51714
Kondarev M	59474
	88951
Konder I	70271
Kondo A	25335
	60441
	68459
Kondo A K	91517
	91518
Kondo G F	65306
Kondo I N	9143
	42674
Kondo K	90057
Kondo M	64041
	68793
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Kondo N	52658
Kondo S	4860
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Kondo T	1789
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Kondo Y	20506
	20507
	53380
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	81890
Kondor G	26957
Kondra P A	72728
Kondrakhina E G	61145
Kondrashuk P K	13273
	92824
Kondratenko A A	84605
Kondratenko P T	61024
Kondrat'ev P S	53232
	61916
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Kondrat'ev R B	14264
Kondrat'ev V D	17304
Kondrat'ev V N	20735
	74184
Kondrat'eva A V	59507
Kondrat'eva I I	75157
Kondrat'eva N V	220
	768
Kondrat'eva T M	68138
Kondrat'eva-Mel'vil' E A	16339
	59654
Kondratovich N E	79463
Kondrat'yeva N V	67562
Kondratyuk E M	68292
Kondratyuk V P	61388
Kondrup E	22002
	74866
Kondrya S M	17376
	88952
Kondurushkin I A	24948
Konechnyi V	69371
Konecka-Betley K	26162
Konecsni I	67606
Koneev I N	84061
Konekamp A H	47439
	49241
	66658
	78434
Konekamp R	65998
	93810

	Item
Konemann E	28774
Konermann H	36532
Konerth H	45056
	45118
Konetopsky A	8744
Konev Yu E	68293
Konferentsiya po Izucheniya Proizvoditel'nykh sil Vostochnoi Sibiri	85392
Konferentsiya po Prirodnoi Ochagovosti Boleznei i Voprosam Parazitologii Kazakhstana i Respublik Srednei Azii	90652
Konferentsiya po Razvitiyu Proizvoditel'nykh sil Vostochnoi Sibiri	18641
Konferentsiya po Voprosam Tsito- i Gistokhimii	85393
Konferentsiya Rabotnikov Sakharnoi Promyshlennosti SSSR GDR Chekoslovakii i Pol'shi	50722
Kongrod V	57536
Konicek B	62727
Konicek D E	88591
	16173
	33959
	33960
	50349
Konichi C	35344
Konieczna H	87738
Konig A	21678
Konig C	29150
Konig E	52607
	61211
	71437
Konig F	67709
Konig H	11617
Konig I	12253
Konig P	48772
Konig W	39333
Konigfeld G	57243
Konigs J	60790
	69843
Konigs R	84004
Konijn T M	33659
Koning J C de	26435
Konings H	24949
	58858
Koningsberger V J	86184
Konishev P	25403
Konishi H	48216
Konishi K	84205
Konishi S	69243
Konishi S I	54544
Konitz W	42514
Konkin A V	27287
Konkin Yu A	29843
Konlechner H	42239
	30381
	30382
	39160
	39161
Könnecke G	43067
Konnerup N	3137
	11282
Konnerup N M	11829
Konnikov A G	84742
Konno H	27107
Konno N	78947
Konno Y	90866
Kono A	86827
Kono M	28025
	51145
Kono Y	19065
	91519
Konoe R	79311
Konoiko M A	70436
Kononenko E V	18108
Kononenko N	29921
Konokotin G S	66015
	66287
Kononenko O	85042
Kononenko O K	22129
Kononkov P F	89171
Kononov A V	16667
Kononov B	30059
Kononov D G	12820
Kononov G A	62811
Kononov V V	13157
Kononova M M	10030
	17995
Kononova O A	59475
Kononovich E D	69524
Kononuchenko N	56127
Konopacki de von der Pahlen E	59476
Konopel'ko P Ya	55093
Konopinski T	80329
Konov Ya	92502
Konovalenko L	92723
Konovalenko L A	64804
Konovalov E A	74460
Konovalov I N	34244
Konovalov N A	25734
	44815
Konovalov N N	61268
Konovalov Yu B	51146
	68788
Konovalova L N	69099
Konowrocki A	38717
Konrad E	16340
	87739
Konrad H	74716
Konrad J	72373
	72374
Konsler T R	43622
Konst H	54409
Konstantinesku G	49392
Konstantinesku G K	69777
Konstantinov A	12262
	12418
Konstantinov A S	46937
	46938
	73681
Konstantinov A V	59477
Konstantinov B	51772
Konstantinov G	36401
Konstantinov K	89323
Konstantinov L	31970
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Konstantinov M D	52881
Konstantinov P	90840
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Konstantinova L N	87299
Konstas Z	14505
Kontaxis D G	8598
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Kontek W	27172
	62188
Kontrimavichus L M	28268
Kontrimavichus V L	71791
Kontsedalov A G	44389
Konuspaeva U S	22618
Konyaev N	42675
Konyha L D	80301
Konyukhov V N	90918
Konyushkov N S	43304
Könz R	84691
Konzak C F	914
	42407
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Koo R C J	61074
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	70196
Koo S E	49603
Koomans P	64994
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Koon G	25735
	47576
	74324
Koop H	67276
Koopman H	35012
Koopmans A N	15816
Koopmansch W	80674
Koops J	13739
	30522
	30670
	39279
Koorts L J	77278
Koot Y van	89172
Koover C J	37865
Kooy E G	13752
Kooy G A	49479
Kooyman W H	1124
Kop L G	8658
	8677
	34502
Kopachevs'ka E H	86328
Kopachevs'ka Ye H	68139
	68140
Kopachevskaya M N	42661
Kopal R	51147
Kopaneva L M	56002
Kopcso I	92701
Kopecky F	49803
	61828
	71224
Kopecky O	81346
Kopeev B	69555
Kopeev B A	69294
Kopeikovskii V M	57359
Koperin F I	61721
Koperski K	74261
Kopetz L M	9032
	42375
Kop'ev I P	92880
Kopf F	61534
	70762
Kopisch-Obuch C F	1125
Kopljar M	3159
Kopp C	75668
Koppa P	29379
Koppe H	23200
Koppel Z	79875
Koppensteiner O	42676
	43288
	88592
Koprowski E	19299
Kopsco I	74135
Kopsic R	83906
Kopsik T	75204
Koptelova R G	1904
Kopteva E G	33991
Koptsev L A	64301
Koptseva Z G	64301
Kopylash P V	54109
Kopylov I	88370
Kopylov V A	34027
	88173
Kopylova A	1126
	88370
Kopylova E I	14633
Kopylovskaya G Ya	36965
	45879
	46015
Kopyrin A V	19505
Korablev A I	74606
Korablev G I	59979
	59980
Korableva N P	60042
Korak J	35047
Koranda J J	88587
Korbonits A	47630
	75753
Korbonskaya Ya I	32983
Korboot K	56003
Korbut L A	56128
Korchagin V N	24141
Korchak G K	62812
Kordan H A	59981
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Kordofani A Y	18350
Kordts E	36500
Kordts H	92797
Kordyum E L	59478
	68294
Kordyum V A	1217
	42792
	51320
	87207
Korea (Republic) Economic Planning Board	76023
Korea (Republic) Ministry of Agriculture and Forestry	30325
Korea (Republic) National Agricultural Cooperatives Federation	94728
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	Item
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	Item
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	Item
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Kratkovskii N A	62585
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Kratochvil L	6368
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Kratochwil O	15225
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Kratzer F H	54705

	Item
Kratzer F H--Cont	80739
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Kravtsova V M	72024
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Kreditforeningen af Ejere af Mindre Ejendomme Paa Landet i Ostifterne	40312
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Krekule J--Cont	24956
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Krishnaswamy M A	13853

	Item
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Kristjansson F K	4185
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Krykhanov L I	18892

	Item
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Ksiazek J	86974
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Kuala Lumpur Institute for Medical Research	81538
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Kuenen R	59706
Kuenen R--Cont	59707
Kuenzi E W	79516
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Kulefeev G P	93008
Kuleshov N N	60377

	Item
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Kump M	59708
Kump W G	16928
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Kuraoka T	68303
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	Item
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Kuratorium fur Kultur-bauwesen	78838
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	Item
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Labelle R L	83105
Laberge R	80501
LaBerge W E	47095
	73781
	92554
Labeyrie V	4382
	21135
	55492
	55493
Labie C	12203
	22577
	54287
	54560
	55060
Lablanchy M	13854
Labonte G A	16030
Laborde J	46021
Laborde J F	39751
Laborde L	29869
Laborie F	19512
La Borie G W	22046
	39375
Laborie R	19512
Labots H	6306
	6331
	6370
	30615
	30657
	39341
	39346
	39376
	48023
	65487
	93409
Labounek V	16672
Labounkova N	16672
Labouriau L G	16389
	16673
	51255
Labouriau M L S	16673
	87305
Labrador S J R	46350
LaBrecque G C	4518
	4590
	20585
	28776
	28845
	55797
Labrique J P	16674
Labrum M C	34777
Labuda J	62306
	72026
Labunets N F	13084
Labunets V	75787
Labus S	13199
Labuschagne D G F	72816
Labuschagne J H	6200
	6398
Lacate D S	7711
	16534
Lacave C	42980
Lacave-Beauchamp C	16859
	60000
Lacaz C da S	73159
Lacaze J F	79368
Lacerda A	47790
Lacerda J P G de	27786
	28106
Lacerda P M G	27786
Lacey H J	1083
Lacey M E	28492
	86316
Lacey M S	24389
LaChance L E	68463
	92448
Lachance R A	50450
Lachance R O	16134
	50450
Lachapelle R	11990
	46023
	80865
Lachaud M	89041
Lachene R	93076
Lachica Garrido L M	44019
Lachiver J C	31379
Lachman W H	17725
	17726
	51101
	52244
Lachmann A	32881
Lachover D	42713
	44219
	87761
Lachowicz E	85044
Lachowicz S	54625
Lachowska H	68989
	70136
	78004
Lachowski G	9039
	9040
Lachowski J	9481
	9529
	9530
	68811
	70137
	70350
	70678
	78653
Lackamp J W	34505
Lackowski J	77995
Laclaviere B	76850
Lacok P	33578
Lacombe G	41716
Lacombe R	77059
	85861
Lacosse R A	27173
Lacoste	71793
Lacoste L	51116
Lacour F	11976
	80832
La Cour L F	87340
La Croix E A S	38118
Lacroix H F de	74914
LaCroix J D	59494
Lacroix J R von	48922
La Croix L J	16675
Lacrosse R	74878
Lacy B R	84260
Lacy G C	44390
Lacy M L	50199
Lacy M P	40838
Laczko B	66263
Laczko I	70862
Laczkó M	47744
Laczynska-Hulewicz T	68305
Lada A	54940
Lada A	81080
Ladan P E	3018
	12265
Ladd C H	53392
Ladd G W	14362
	56393
	56450
Ladd J N	78437
Ladell J L	79617
Ladell W S S	4519
Ladesic Y	77794
Ládfalvi F	80833
Ladonin F	43692
	52186
Ladonin V F	17727
	60988
	89276
Ladouceur G	18997
Ladouceur J C	15617
Ladrat J	11887
	36984
	63243
	91427
	91428
La Duc F M	53195
Ladwa H R	23983
Ladwig M R	75159
Ladygina G M	58521
Ladygina M E	25087
Ladyzhenskaya K I	206
	771
Ladyzhenskii A	74289
Ladzianska K	79806
Laer W von	44683
	44684
Laere O van	20954
Laetsch W M	42244
	59495
Laever E de	38484
La Face F	31377
	75553
	84808
La Face L	21260
Lafay P	62405
Lafenetre H	12136
	54941
Laferrere M	49436
Laffer N C	3960
Lafferty B	28876
Laffi L	28100
Laffoon J L	4310
	81403
Lafitte M	82739
Lafkin W E	1791
Lafon J	87762
Lafon R	8475
	24274
	24290
	59002
Lafon-Lafourcade S	65308
	93237
Lafontaine J G	50754
LaForte A	79242
LaFrance J E	23565
Lafuente Ferriols B	57082
	57083
	57098

	Item
Lafuente Ferriols B--Cont	65757
	75160
Lag J	2204
	18183
	43954
	52661
	70442
Lagace A	20392
	62493
	91921
Lagache P	60001
Laganovskis S	73001
	81283
	81316
Lagar Mascaro A	82290
Lagarde J	87763
Lagaude V	77060
Lagazide G	73217
Lagemann H	27788
Lagerquist C	34778
Lagerquist R	9482
	10232
	88595
Lagervall P M	36153
Lagerweij E	45620
Lagerwerff J M	81324
Lagerwerff J V	51159
Lagidze A D	90310
Laglera Laglera A	53992
Lagman A C	90399
Lagneau F	27549
Lagoda A A	40191
	56461
Lagoni H	13800
	30586
	48071
	65520
Lagowski J M	21184
Lagrange E	36949
Lagrange M	59967
La Grange W S	6225
Lagrone W F	15080
Lague P	17728
Lagun L P	43111
Laguta A	11172
	29939
Laguta A F	27266
Lagutenko Yu P	82161
Lagutin N	75829
Lagutinskaya N A	61393
Lahargue J	82021
La Haye J A	30267
Lahiri A N	1129
	8749
Lahiri J M	85981
Lahiry N L	7004
	7328
	15480
	47664
	48977
Laho L	39181
	69780
	83654
	83655
	93232
	93541
Lahoz Catala V	91522
Lahoz R	51518
Lahr K A	42018
Lahtivirta K	38485
Lai P	80992
Lai T M	2094
	34028
Laible R J	43112
Laidlaw R A	45088
Laidlaw W M R	425
Laidler K J	83342
Laiko M	19106
Laiko M V	35922
Laikov I A	69559
Lainck-Vissing K H	71933
Lainé F	42973
Laine J J	31638
Laine T	9887
Laing J A	91842
Laing R B	6802
Lainson R	81540
Laird E F	29079
	82519
Laird M	5199
Laird R	7682
	45722
Laird R J	89726
	89754
Laishev A Kh	36282
Laiter D	88373
Laithwaite E R	29691
Laitner J	92740
Lajonquiere E de	47164
Lajonquiere Y de	21400
Lajtner S	80339
Lajtos J	69380
Lajudie J	18114
Lakama R	65727
Lakanen E	9279
	10031
Lakatos S	93447
Lake G	6268
	30555
	76473
	83831
Lake M J	90921
Lake P E	45870
	63207
	72469
Lake R W	81480
	82470
Lake Carriers' Association	57163
Lake States Forest Tree Improvement Conference	71230
Lakela O	76958
Laker B	7047
Lakin H W	2169
Lako J	39513
Lakocy A	28996
	46351
Lakota V	53078
Lakoza I I	27215
	64780
Lakshmanachar M S	31378
	76809
Lakshmanan K K	68306
	77409
	87306
Lakshmanaswamy M G	56572
Lakshmikantham M	25518
	48923
Lakshminarayana K V	82886
Laktionov B I	18315
	88374
	89507
Lakusic R	16227
	68149
Lal G	22401
	31033
	48333
	48463
	48789
	48790
	48791
	48792
	48802
	48803
	65774
Lal H K	81138
Lal K B	50200
	92089
Lal K N	1130
	51345
Lal M	16342
	16348
Lal M S	17729
Lal R	21210
	55733
	59163
	73348
Lal S B	563
	33394
Lal S S	20404
Lalaev A B	88464
Lall A B	78528
Lall G	286
Lallemand A	77796
Lallemand V	82534
Lallour M	39514
Lalo J	75155
Lalor R	3721
Lalor R J	36853
Laloraya M M	42779
Lam G	13494
	58320
Lam H J	23984
Lamakin V V	86331
Lamar C	93274
Lamarre A	62982
Lamas J M	28997
Lamazou-Betbeder M	65288
Lamb A F A	10613
Lamb C A	1479
	51662
	93758
Lamb F C	56969
	65085
	65167
Lamb G E R	45058
Lamb I M	58791
Lamb J F	63270
Lamb J G D	77600
	78654
Lamb J T	64038
Lamb K P	12927
	23838
	73072
	73744
Lamb M W	49850
Lamba P S	15231
Lambe J G D	59828
Lambelin G	27742
	45621
Lambers D H R	21290
	55861
Lambers H R	28998
Lambert A J	56274
	66662
Lambert B	37196
Lambert D A	89710
Lambert E B	50724
Lambert F	65684
Lambert G	62823
	80340
	91048
Lambert J	86750
	87186
Lambert J M	33573
Lambert J P	26284
Lambert J W	24729
	25351
	25352
	43139
Lambert M R	71670
Lambert P	43756
Lambert P J	27019
Lambert R G	68812
Lambert W V	16450
Lamberts K	53698
Lambeth V N	52104
Lambin S	74489
Lambinon J	38377
Lambion R	58413
Lamborn & Co	40175
	40176
Lamborot L A	52061
Lambourne L J	28440
	81022
Lambrecht F L	81456
	81487
Lambrecht H	56603
Lambremont E N	12821
Lambrev Zh	58522
	86332
Lambuth A L	11014
Lamer M	30468
	30469
Lamerdin F	53148
Lamey H A	73218
Lamfalussy S	19341
Lamina J	36330
Lamke W E	10296
	18099
	44220
	52852
Lamkin S I	81078
Lamm C G	10032
	17998
	68813
Lamm R	17591
	89177
Lammel K	13219
	47347
	74037
	74038
	83197
Lammers H	3677
Lammers H S	49244
Lammert T	66924
Lammerts W E	25737
	25738
	52061
Lamming G E	27216
	28517
	37156
	46144
	81081
Lamminpaa M	89178
Lammle S	27123
Lamois L M	53454
Lamond D R	28493
	80969
	90922
Lamont A	87187
Lamont D	43761
	52251
Lamont G B	80341
Lamont H G	54348
Lamont P H	28637
LaMont T E	78023
Lamoreux W F	36963
Lamotte C E	59496
LaMotte L C	55258
LaMotte L C	55284
Lamotte M	73683
Lamour P	23172
	66893
Lamoureux C H	41279
Lamouria L H	21621
	29940
	74110
Lamouroux M	35348
Lamp B J	51817
	60597
Lamp C A	25457
	52105
Lamp I	44550
Lampe	40586
Lampe H C	10638
	62320
	65572
Lampe H J	31145
Lampe J E M	68624
Lampe K	38698
	64781
Lampe K J	72634
Lampel G	47020
	82091
Lampen J O	1131
Lampert L M	83768
Lampi K	71633
Lampkin G H	90923
Lampman C E	22771
	75659
Lampman H	48534
Lampman H H	6803
Lamprecht H	42379
	42380
	42381
	50867
	68464
	68465
	68466
	68467
	68468
	70948
Lamprecht M P	25458
	51614
	88596
	88597
Lamprecht P	48402
Lamprey H F	82390
Lamprinos G	53455
Lampsidis E	77601
Lamson A	8365
Lamy M	46707
Lamykin I A	40636
Lancaster D	1132
	75699
Lancaster J A	51762
Lancaster J D	35170

	Item
Lancaster J D-- Cont	52784
	70561
Lancaster J E	3930
	63299
	72635
	91523
Lancaster J L	12380
	28877
	55305
	55342
	55343
	73179
	92023
Lancaster M C	20231
Lancaster P C	10745
	18853
Lancaster R J	71671
Lance A	50725
Lance B P	57718
Lancelot A	77005
Lancker J van	60434
	64883
Lanckow J	30083
	47577
Lanco J	20232
Lancz E	54297
Land C E	6028
Land R	27339
Land and Agricultural Bank of Kenya	23017
Land and Agricultural Bank of South Africa	66409
Land and Agricultural Bank of Southern Rhodesia	7389
Land Bank of Tanganyika	75881
Land Settlement Association	85550
Land- und Forstwirtschaftliche Gennossenschaften Oberosterreich Anwaltschaft	85933
Land- und Forstwirtschaftliche Landes-Buchfuhrungs-Gesellschaft	40672
	94511
Landa V	29254
	29375
	38119
Landagora F T	72529
Landau L	72552
	94512
Landau M	28524
Landbouw-Economisch Instituut	5699
Afdeling Bedrijfseconomisch Onderzoek Landbouw	40673
Landbouwschap	7712
	76026
Landbrukets Sentralforbund	31675
Landel J P	78208
	86834
	89332
Landelijke Landbouwvoorlichtingsraad	94229
Lander H A	32384
Lander J S J	3639
Landfald R	9577
	14163
Landgraf J E	34029
Landgrebe A R	39363
	83893
Landgrebe-Wolff I	15437
Landgren N E	70863
Landi A	62671
Landi J	20811
Landicho B M	33973
	33974
Landin B O	38120
Landis B J	12508
	55423
Landmann U	22692
	30719
	48139
Landmann W	7106
	22693
	84788
Landmann W A	6949
	14350
	48626
	48670
	57265
	57299
Landokonomiske Driftsbur	23349
	23274
	40674
	76148
Landolt J	37866
Landon A	80941
Landon I K	10451
Landovsky F	30907
Landowski J	71866
Landram J F	3497
Landraud	36812
Landro G	75313
Landsberg E	7408
Landsberg H E	67272
Landsorganisationen i Sverige	14773
Landstreet C B	48218
Landsudvalget for Landokokonomisk Ungdomsarbejde	76453
Landsudvalget for Svineavlens Ledelse	12178
	91770
Landt E F	10889
	53539
Landtechnik	56228
	64782
	64955
Landvik Statens Forsøksgard	51980
Landwirt	15501
Landwirtschaftliche Rentenbank	85223
Landwirtschaftliche Woche	40480
Landwirtschaftskammer Rheinland	31845
Landbau Abteilung	34357
Landwirtschaftskammer Schleswig-Holstein	47824
	49480
Landwirtschaftskammer Weser-Ems	51601
Landy J J	20508
Lane C	12822
	55961
	55962
	73782
	73839
Lane D A	87188
Lane H C	9041
Lane J	5123
	82391
	82392
	82393
	82394
	92449
Lane J R	30134
Lane M O	337
Lane P H	2948
Lane P W	20102
Lane S H	22145
	85160
Lane T H	78545
	26285
Lanes J	31309
Lang A	60002
	65368
	68255
	87809
Lang A R G	79547
Lang E	73959
Lang F	6332
	65368
Lang F H	53149
Lang G	57992
	61394
Lang Gy	72470
	72729
Lang I	35439
Lang J	23790
	82162
Lang K	38898
	75443
	83548
	83549
Lang L	10083
Lang O	21889
	22636
	31310
	39057
	65106
	66074
	75476
	83414
	84350
Lang P	65050
Lang R	11309
	27410
	28494
	65545
Lang R L	26221
	93458
Lang S	44221
Lang W R	6470
	56881
Langa J M	44391
	61538
Langan J	66122
Langan L N	78505
Langap A	73002
Langbein W B	70767
	70768
Langdon A G	43516
Langdon B J	9721
Langdon O G	71231
Lange A	38620
Lange A H	33668
	52215
Lange B	8366
	55407
Lange G	44581
	66959
Lange H	23404
	47592
Lange I	45681
Lange J	34
	40588
	66341
	76414
Lange L J	47502
Lange M	24081
Lange O C	64996
	65038
Lange O L	24090
	42689
	49942
Lange R T	10078
	18086
	18087
Lange S	71321
Lange U	57755
	58474
	67291
Lange W	54355
	72182
Lange W H	12483
	46856
	50489
Langefield E C B	17056
Langel'd F K	57943
Langeluddecke H	47413
Langeluddeke P	51160
Langendorf H	38898
Langenfelds V	15765
Langenhoven M N	54730
Langer B	29477
Langer H	8678
	12878
	55798
Langer J	14782
Langer P H	80342
Langford D R	17057
Langford O F	27550
Langford W R	23876
Langham D G	24721
	43068
Langham M R	32115
	76149
Langham R	36790
Langham R F	79905
Langham W H	63061
Langhammer A	53331
Langhan T	7260
Langhans R W	25778
	26024
Langhans R W-- Cont	42838
	50319
	70749
	74321
Langhard O	6307
Langhe E de	1686
	9595
	24599
	65685
Langholz	84668
Langholz H J	37430
Langille J	20028
Langille J E	17180
	17633
	51806
Langille W M	42837
Langlade-Demoyen C	94534
Langlet J	11426
Langlet J F	4049
Langlet O	79208
Langley B C	8413
	55421
Langley E M	49672
Langley P	55994
Langlois B	93345
Langlois F	75932
Langlois R W	17642
Langlois S	9290
Langmaid J R	5459
	38486
Langmo D	22409
Langner H	21973
Langpap A	31290
	37381
	55095
	84629
Langridge J	50868
Langston C W	62307
	62308
	71672
Langston J H	75017
Lanham B T	49163
	57680
	57786
	66496
	66545
	85161
Lanham W J	26474
	85551
Lanier W	19863
Laniesse	75314
Lanigan F J	47620
Lanigan G W	27267
Lanik M	53928
Lanina A V	62619
Lank R B	19864
Lankes H	91049
Lankford L	11961
Lankford L T	28356
	46058
Lankford M P	65521
Lankin G	29193
Lankshear H J W	13901
	57836
	85401
Lanktree P A D	5460
	5461

Lannek N Item 36827, 63649, 80834
Lanner R M 2658
Lanning F C 24965
Lanoe A 14035
Lanowska J 10079
Lanpher B F 31973
Lanquist K B 18971, 18972
Lansbury I 5236, 5237, 5238, 5462, 12928, 47011, 64496
Lansbury T J 14480, 53783, 54720, 54721
Lansdell W E 48701
Lansigan N P 10569, 11015
Lanskaya L A 9042, 68814, 68949
Lanson R K 20126
Lantican R M 33782, 42690, 50370, 52785
Lantis M 58345
Lantrip D S 15302
Lantsheere V de 20443
Lantsheere W V de 14439, 90796
Lantzsch H J 81211
Lanyon W E 12739
Lanz C 19309
Lanz E 36604, 71934, 91050
Lanza F 2304, 17058, 35349, 89711
Lanzavecchia G 91970
Lanzon J A 23173
Laongsri S 25499
Lapada V A 91872
Lapage G 20650, 28298
Lapage W F 53483
Lapar M 41740
Lape F 33091
Lapeyronie A 24966
Lapidius S S 22606
LaPidus J B 21097
Lapidus S S 20078
Lapiere G 76797
Lapierre R J 56816
Lapin P I 23877, 41280, 60794
Lapina I M 63847
Lapinskii L 13339
Lapinskii L F 14996, 64846
Lapirov A I 89179
Lapitskii A S 18973
Lapkin I Yu 86312
Lapkin K 85504
La Placa A 62851
LaPlaca M 3516
Laplassotte J 62406
La Plata Universidad Nacional Facultad de Ciencias Veterinarias Dept de Epizootiologia y Salud Publica 19513
Laplaud J 36950
La Polla L 28007
Lapp J 27041
Lappa H 71935
Lappa N V 28777
Lapparent J de 74502
Lappas A 14774
LaPrade J L 67932
Lapshin I I 19433
Lapshina G E 7607
Laptev A A 32654, 70070
Laptev V I 37558, 52960
Laptev Yu P 51364
Lapusan A 42691
Lapuz G 62569
Lapwood D H 426, 427, 24275
Lara F W 2784
Lara J R 93225
Lara Borrero O 32385, 66546
Lara E F 12588, 29080
Lara Franco A M 37035
Laramy R E 53051
Larbouillat J 93398
Larcan A 45515
Larchenko K I 46466
Larchin V A 11427, 79682
Lard C F 57937
Lardier R 8750
Lardinois P J 40481
Large E C 41649, 41650
Large J R 338, 428
Large R V 27233
Largina M I 36207
Laricheva M D 9539, 25517, 88598, 88758
Larin I V 9483, 17181, 88599
Larin P A 17893
Larionenko N R 43309
Larionov A G 2431
Larionov A P 49089
Larionov V F 67211
La Rivers I 73745, 82535
Lariviere M 37559
La Riviere M T de 75933
Larkin A E 39163, 39164
Larmour T A 49291
Laroche M 37065
La Roche S 9241, 34259, 34260
Laros J W 18893
La Rosa C 75371
Larose E N 66936
Larose J A G 57388
Larose P 48219
Larose R N 3931
Larpent J P 24967, 60003, 87307
Larpes G 10325
Larraz H 75208
Larrea O 55196
Larrick G P 6042, 13501, 30254, 47734, 47735, 56425, 65160, 83504, 93109
Larrieu R 47165
Larrimer W H 8043, 15557
Larrison E J 86388
L'Arrivee J C M 4811
Larrouquere J 30367
Larrouy G 81459
Larsen A 9043, 58047, 69472
Larsen A B 19514, 36734
Larsen B 9234, 16676, 27787
Larsen C M 16677
Larsen C S 18642
Larsen D 34030
Larsen D C 35501
Larsen F E 86668
Larsen G 11283
Larsen H K 94282
Larsen J B 62672
Larsen K 23985
Larsen L M 4215, 20468
Larsen O D 16116
Larsen P 50353, 51161, 73296
Larsen P H 66547
Larsen P O 51519
Larsen R P 68815, 78209
Larsen R T F 26886
Larsen S 17999
Larsen W E 69954
Larski Z 54789
Larski Z--Cont 80821
Larson A B 47700
Larson A L 32310, 57164
Larson B L 13740
Larson C 53037
Larson C L 55298
Larson D A 16343, 24600
Larson E J 83415
Larson E V H 10593
Larson G H 64984
Larson K L 16678
Larson L L 11708
Larson M A 76415
Larson M M 35805
Larson N G 5969, 90380
Larson O F 32166, 32167, 49854, 85948
Larson P R 1133, 42245, 62154, 71610
Larson R 28008
Larson R A 50726
Larson R E 1957, 16451
Larson R H 8404, 8582, 8644, 50512
Larson R I 16679, 50869
Larson R W 18723, 35657
Larson W E 35098, 35440, 52415, 68929, 70374
Larson W F 28628
Larson W H 10833
Larsson B 53519
Larsson B M P 52037
Larsson E L 63650
Larsson G 51981
Larsson I 16632
Larsson O 49943
Larsson R 29910, 64783
Larsson S 63134, 86187
Larter E N 42382
Laruelle J 18146
Larzelere H 56984, 84227
Larzelere H E 40100, 56986, 57423
Lasala M 18265, 43934
Lascelles A K 12137, 37247
Lashbrook W D 3605
Lashin M 51663
Lashmanova V I 2300
Lashov B 14997
Laskin V P 14260
Laskos J 88488
Laskov A A 20068
Laskov A A-- Cont 20078, 20079
Laskowska R 8751
Laskowska T 73802
Laskowski S 14889
Laskowski W 68469
Lasky A 49532
Lasley J F 11428, 12252, 19637, 45420, 46170, 54673
Lasley J L 55067
Laso Sanchez S 62546
Lassagne H 60720
Lassen J B 54942
Lassiter C A 54187, 72027, 72028, 79683
Lassmann K D 33450
Last F T 52245, 77133
Last H H 55717
Last H R 73620
Last J H 48349
Laste G 57756
Lastovenko V 5765, 13241
Lastovskii E Ya 6418, 69381
Laszczka A 11574, 71936
László E 56348, 56349
Laszlo G 79445
Laszlo I 33856, 42504
Laszlo Mrs L 65369
Lasztity R 66123
Lata M 43013, 77818
Latah County (Idaho) Soil Conservation District 78941
Latard P 15915, 15916
Latch G C M 59003
Latche J C 51520, 60331
Lategahn E 74149
Latham A J 26610, 61146
Latham B 2794, 10890, 26990, 44913, 44914, 53493, 71344, 71345
Latham J M 25752, 34779, 43517, 43518
Latham J O 27551
Lather H S 83416
Lathrop H F 15917
Lathwell D J 70769

	Item
Latif A	12779
	37722
	81771
	81772
Latimer I S	32641
Latimer R A	39165
	81843
Latkovics G	35350
Latkovics I	68816
	89766
Latscha G	84229
La Touche C J	91221
Lattanzio G	78473
Latter B D H	46940
Latter P	18088
Latterell R L	68817
Lattes F	42522
	51162
Latteur J P	19400
	54356
Lattig H E	4305
	19667
Lattin G de	5463
	5464
Lattin J D	4886
Lattyak B J	30720
Latvia Statisticheskoe Upravlenie	58475
Latvietis J	36504
Latvijas PSR Zinatnu Akademija SEE Akademiya Nauk Latviiskoi SSR	
Latypov A Z	34413
Latypova R M	2142
	70358
Lau D	43113
Laube W	19734
	12217
	20470
	40589
	68470
	79684
	81284
Lauber H J	43410
Lauber J K	3932
	72636
Laubmann M	12823
Laubscher E W	68818
Lauciani E	26531
	44392
Lauck D R	5239
	82536
Laudani H	5011
Laudani U	47211
Laude H H	25372
	34358
	42571
Laude H M	16680
	51799
	68818
Lauder I M	53959
	91222
Lauder J S J	91223
	91224
Laue W	37267
	72223
	91098
Lauener L A	41281
Lauener L A-- Cont	67338
Lauenstein A	13370
	30073
Lauer F I	89180
Lauer W	49370
Lauerbach H	76306
Lauerman L	19575
Lauerman L H	63108
Laufer H	21401
Lauffer M A	53812
	77222
Laug E P	6005
	93054
Laugero D	6804
	38987
	47736
	83470
Laughlin G E	23401
	66944
Laughlin K	32796
	67460
Laughlin W M	26261
	51163
	52786
	61395
Laughnan J R	897
	42383
Laughton P M	6648
	30135
Laugwitz N	66937
	72183
Laulajainen E	46963
Laumann E	15438
Laumont P	25459
Laun G F	45918
	45919
Launay R	23275
Launchbaugh J L	26286
Laundon J R	32797
	50136
Laundrie J F	2920
Launert E	58669
Lauprecht E	3019
	20444
	80343
	81285
Laur M H	9280
Laur V	88600
Laurand J	61539
Laurand Ya K	18489
Laure G	2679
Laurema S	38311
	38328
	38329
Laurence B R	20651
	46979
	92024
Laurencot H J	25260
	51572
	51577
	88252
Laurens F de	13502
Laurent C K	74293
Laurent J	82092
Laurent R	21622
Laurent S	9281
Laurentian Forest Protection Association	2767
Lauret T H	28935
Lauria A	80687
Lauricio F M	19332
	79618
Lauridsen L	37331
	37426
	58021
	81208
	81209
	91811
Laurie K W	70770
Laurie-Rhodes L J	80344
Laurila S	14164
Laurin R	43776
	84534
Laurincik J	75385
	81141
Lauritzen C W	5912
	35502
	35503
Laurow Z	71105
Laursen G	60378
Lauryssens M	3498
	72206
Lausen H H	81404
Lauska A	79312
Lauterbach C	19866
Lauterbach D	27734
	72141
	80275
Lauvergne J J	72138
Lauvernet G	66352
Lauth J P	13855
	56723
Lautie R	54413
Lauw S L	18316
Lauwe C de	39890
	40256
Lauze J	21884
Lavabre E M	12929
	21291
	46857
	92375
Laval A	6371
Laval P	43368
Lavallard M L	3046
Lavallee P	40101
Lavalleye M	1921
	25893
	60962
Lavandier P	88653
Lavania G S	35532
	39695
Laveine J P	58492
	86303
Lavell R J	30114
Laven H	5198
Laver M L	21982
Lavergne D	52620
Laverty F B	2379
Lavery H J	28956
Lavezzini A	10662
	13353
	35735
	35806
	79209
	84153
Lavfenko E M	94899
Lavialle B	45769
Lavie P	64159
Lavigne P	87120
Lavigne R	55799
Lavigne R J	4994
Lavignette A M	72318
Laville A	45185
	48128
	71648
Laville E	24276
	77134
	77135
Laviola A	985
	50987
Lavoipierre M	46385
Lavoipierre M M J	21494
	81490
Lavollay J	75109
	80688
Lavranos J J	32798
	32799
Lavorel J	88178
Lavrenko E M	55299
	76798
Lavrent'ev M P	19867
Lavrent'ev P A	92025
Lavrent'ev S D	9427
Lavrent'eva V A	66036
Lavric E	62189
Lavronov G A	94423
Lavrov O B	11431
Lavrov V S	79396
Lavrova M Ya	79834
Lavrova Z	50354
Lavrovskii G N	44915
Lavrovskii V M	66342
Lavrukhin A I	18854
Lavy T	35151
Lavygin I A	84780
Law C N	12883
Law E M	86263
Law J M	7513
Law N H	93785
Lawalree A	41442
Lawalree-Collaris A M	32877
Lawes D A	26475
Lawesson S O	50404
Lawhon L F	56189
Lawler F K	13542
Lawler W G	10488
Lawless J R	60444
	60473
Lawless J S	38988
Lawniczak M	11104
	13968
	27172
	36141
	36142
	45152
	53694
	57073
	62211
	62234
	62242
	62244
	65620
	71566
Lawrence A J	56642
Lawrence C W	42246
Lawrence D B	8679
	76897
Lawrence D B-- Cont	77304
Lawrence D J	81082
Lawrence E	1134
Lawrence E P	2963
Lawrence F P	34599
	67678
Lawrence G H M	8145
	15766
	23986
	41282
	86465
Lawrence J M	43704
	77602
	89298
Lawrence M R	9722
Lawrence P N	5607
	5622
Lawrence R E	23319
Lawrence R F	4930
	38041
	82163
	82166
Lawrence R V	19295
	90437
Lawrence T	51164
	51758
	51773
Lawrence T L J	3369
	54357
Lawrence W A	28009
Lawrence W C	80345
Lawrence W E	12138
Lawrence W H	26939
	28878
	61942
Lawrence W J C	69694
Lawrendiadis G	35075
Lawrie I D	52246
Lawrie J J	35582
Lawrie R A	11615
	22637
	48627
	63378
Laws W D	35276
Lawson C	40343
Lawson D D	72319
Lawson E N	42473
Lawson F	55374
Lawson G	85643
	85644
Lawson G W	8277
Lawson H F	36581
Lawson K A	28242
Lawson N C	51774
Lawther W A	3678
Lawton E	24046
Lawton K	16533
	26261
	34028
	52854
	89681
Laxer G	30812
Laxminarayana H	13543
	15201
	30658
	74875
Lay B	16919
Lay D W	41651
Laycock W A	72806
Layer J W	83275
Layton L L	14481
	73160
Lazanyi A	68482
	75315

	Item
Lazar A	59045
	86582
Lazar J T	48072
Lazar M	104
Lazar O	42692
	42693
Lazar T	75934
Lazar V A	17997
Lazarenko A S	24722
	68307
	68308
	68309
Lazarescu C	2728
	10746
	26887
	61919
	71462
	79313
	89999
	90372
Lazarescu C T	26859
Lazarev A A	89593
Lazarev I Z	87308
Lazarev N M	93201
Lazarev N V	69295
Lazarev S	70771
Lazarev S F	70359
Lazarev T	25329
Lazarev T M	25330
Lazarevic B	28778
	63924
	92090
	92163
Lazarevich P V	63483
Lazarevskaya S L	73621
Lazarevskii M A	50727
	56926
	58670
Lazarides M	32800
	32801
Lazaroff N	87764
Lazarov E	73032
Lazarov I	37367
Lazarov M	25504
Lazarska A	70272
Lazarska B	62897
Lazaruk W	18317
Lazebnaya A M	23697
Lazell N	43348
Lazenby A	33523
	60004
	88601
Lazniewska I	42769
	69751
Lazo W R	42927
	51435
Lazukov G I	41289
Lazukov M I	24968
Lazurkevych Z M	42792
	51320
Lazurskii A V	78655
Lazyts'ka L M	89042
Lazzarini R A	88179
Lazzarini V	35351
	52351
	78251
Lazzati A	74999
Le-Hoi-Phu	28669
Lea C H	14482
	21785
	57364
Lea D J	69212
Lea H	57165
Lea J S B	89043
Lea R V	71022
Leach C M	24969
Leach C W	10970
Leach D G	9723
	9724
	9725
	17465
Leach E	3900
Leach H	48645
Leach H S	47956
Leach H W	93044
Leach J G	8566
Leach K R	74877
Leach L D	24248
Leach M	14145
Leach M B	7390
	57684
Leach R M	20181
	45920
	61257
	70402
	72530
Leach W J	54533
Leachman J	10614
Leader R W	36863
	45809
	62467
Leaf A L	53322
	53323
	59054
Leafe E L	35014
Leagans J P	76416
Leahey A	70443
Leahy M E	22497
Leak W B	2659
	26818
Leake C D	23724
Leal A	40482
Leal A R	32802
Leal J A	60332
Leal J C	43259
	43260
Leal J M	37511
Leal L O P	3933
	37060
Leal Medina L J	62824
Leal Pinto F	43390
Leali L	56643
	80382
	83023
Leamy M L	35240
	78534
Leandri J	15652
	41181
	58414
Leandru V	24520
Leao R L	12406
	37560
	55300
	80346
	91051
Leaphart C D	339
	8210
	33337
Lear B	623
	16175
	33438
	34040
Leard H H	85552
Learn E	56401
Learn E W	13476
	15378
Leary R	34780
Lease E J	15472
	67135
Lease J G	67135
Leash A M	3679
Leash A M	20014
Leask D M R	15085
	15086
Leask J	84567
Leask R A	36042
	53640
Leasure J K	17730
	35015
Leather Industries Research Institute	84568
Leatherdale D	4757
	73328
	73520
	73684
	92450
Leatherman S	34781
Leathers J W	39946
Leaute J	93023
Leaver C W	77204
Leaver D D	54927
Leaverton P	52038
Leavitt R K	46291
Lebanon Direction Generale des Douanes	76541
LeBaron H M	16681
	42694
	52247
	52248
Lebaron H R	58165
Lebeau A	63034
Lebeau J B	16031
	24378
	33248
	50355
	50443
LeBeau O R	32189
	85934
Lebeck A D	27632
Lebeda M	81541
Lebedenko L A	3005
	16682
	27195
	45133
	90477
	90476
Lebedenko T D	55354
Lebedev A A	69644
Lebedev A V	62025
Lebedev E	25916
Lebedev G V	44393
Lebedev I A	45544
Lebedev I D	10390
Lebedev M M	63564
	90828
Lebedev N P	47414
Lebedev N V	39058
Lebedev P T	37382
Lebedev P V	9044
Lebedev V F	64088
Lebedev V N	42748
Lebedeva G F	70587
Lebedeva L	429
Lebedeva L A	61396
Lebedeva L N	8476
Lebedeva V	34911
Lebedik A	73960
	82990
Lebedik A I	82964
Lebedik A T	73961
Lebegue A	68310
Lebek G	79864
Leben C	527
Leber H	63152
Le Berre J R	29447
	63925
	63926
	63927
	63928
Le Berre R	21256
Le Berre Y	7324
Lebert F	39924
	48702
	48703
Lebert H	5955
	29844
Lebeurier G	50490
Lebied B	37561
Lebis E	29376
	46858
Lebkov V F	16228
	61793
LeBlanc F	33524
	58750
	58751
	68819
Leblanc J	38121
Leblond C	20015
Leblova-Svobodova S	50948
	87705
Leborgne L	2157
Lebot M	58200
	85294
Lebovit C	49673
Le Bras J	40131
Lebreton J	46254
Le Breton J	83650
Lebron O K	47854
Lebrument J	45623
Lebrun A	12381
	81467
Lebrun J	49944
Lebrun J P	76987
	86524
Lecacheux M T	52659
Lecadet M	63761
Le Cann F	42695
Lecardonnel M	23018
Lecat P	42981
Lecce J G	37383
	81210
Lecewicz W	29176
Lechaptois J	44222
Lechartier G	31381
	75554
	75555
Lechevalier H A	281
Lechi F	85751
Lechner F G	47453
Lechner H	26819
Lechner L	68471
	69560
	92829
Lechowich R V	47800
	47801
	74399
	83343
Leclaire F P	78482
	78519
Le Clerc A	31379
Leclerc J	27877
Leclerc J L	18318
Leclercq J	12695
	12961
	21334
	21335
	29604
Leclercq J-- Cont	65887
	73783
	82093
Leclercq M	38198
	46941
	46942
	64427
	64428
	73685
	73686
	82395
	82396
Leclercq S	49945
Leclerg E L	88283
Lecoanet J	45597
Lecoanet J H	28495
Lecoat M	35352
Lecomte J	25584
	38372
	64160
Le Corfec H	94675
Lecoufle M	17466
Lecrenier A	87765
	87766
Lecronier J	56827
L'Ecuyer C	20509
	28670
	81305
Ledent A	23566
	30908
	31974
	31975
	48302
	67061
Leder H	34896
Lederer G	29692
	29693
	46753
	47166
Lederer M	36121
	53709
Ledergerber A	84339
Lederman A N	6043
Ledesma O	10582
Ledford R A	62967
Ledger H P	48628
Ledger M	403
Ledingham G A	1376
	1403
	16063
	88248
Ledingham G F	50728
Ledingham R J	430
Ledoux L	34031
Ledoux P	23987
Ledovskii S Ya	68863
Ledran C	49946
Leduc G	48371
	65621
	75679
Lee B A	12162
Lee B H	42384
Lee B J	81667
Lee B O	8828
Lee B T O	50870
Lee C	38274
	38275
Lee C C	57166
Lee C D	28299
	80835
Lee C H	18490
	77438
Lee C K	80836
Lee C N	19213
Lee C W	83177
Lee D	38787
Lee D H	77138

	Item
Lee D J	73142
Lee F A	7115
Lee F H	83550
Lee F S Y	70772
Lee G A	75141
Lee G D	7060
Lee G H	85497
Lee H J	11173
Lee H M	58860
	61980
Lee H S	29402
	77860
Lee H W	93110
Lee I D G	90478
Lee J	65622
Lee J A	1527
	33783
Lee J G	24970
	27268
Lee J H	80970
Lee J O	77061
Lee J P	84203
Lee J T	6685
Lee K S	80970
Lee K T	21955
Lee K Y	49674
	77136
	77137
	81773
	84892
Lee L	2729
Lee L C	9516
	38265
Lee L S	31390
Lee L T	70576
Lee M H	33376
Lee M S	4631
Lee N van der	25565
Lee O C	17731
Lee P C	38539
Lee P E	20738
Lee P J W	32047
Lee P N	34912
	91052
Lee P S	39737
Lee R C T	27968
	28671
	91873
Lee R E	50729
Lee R P	11392
	11670
Lee S	14481
	39166
	39167
	65309
	83656
Lee S C	34032
	77138
Lee S D	62825
	80347
Lee S M	18491
	24416
Lee S T	28703
Lee S Y	4632
Lee T T	68820
Lee V H	4456
	55301
Lee W G	93678
Lee W R	12696
Lee Y	79160
Lee Y C	28672
Lee Y L	15145
	32116
Lee Y T	26373
	35443
Lee-Jones F	82390
Leeb O	24983
Leech A P	2456
Leech E A J de	60795
Leech H S	78210
Leech J H	786
	42269
Leech M J	38487
	38488
	38572
	73840
Leech R E	37967
Leech R M	60322
Leech T S	37967
Leedale G F	59497
Leeder J G	83772
Leeds T W	5970
Leeds University Dept of Agriculture Economics Sect	76261
Leedy D L	26977
Leefe J S	52796
Leegwater D C	77795
Leek B F	36246
Leeks A	93708
Leemann W	3698
Leenders J C P	66288
Leenheer L de	52416
	52424
	61077
	70478
Leentvaar P	59285
Leeper R W	1063
Lees A D	29542
Lees C B	17467
Lees E	38489
	64650
Lees F T	71839
	72879
Lees H	78403
Lees J C	79203
	79210
Lees P D	17732
Lees-Smith P H	78115
Leese B M	40142
Leese Sir O	1792
Leetz I	66938
Leeuw W P de	77139
Leeuwen C G van	59286
Leeuwen C J van	46141
Leeuwen J C van	30074
Leeuwenberg A J M	8224
	41418
	67461
	76959
Leeuwenburgh A	20894
Leeuwenburgh J	24277
Lefebvre A	83860
Lefebvre G	61540
Lefebvre P	58201
Lefering T	33092
	52106
Lefeuvre J C	21467
	29240
	29767
Lefever F F	2432
LeFevre C W	16683
	51165
	68821
Lefevre M	87189
Lefevre N	93712
Lefevre P	61147
Leffef W J B	5465
Leffel E C	4135
	11281
	91053
Leffel R C	885
	16452
Leffel R C--Cont	24971
	51818
	51819
	69637
	88720
Leffingwell R J	7264
Lefholz L S	32311
Lefkovitch L P	12824
	64352
	64353
	92376
	92377
Lefner J	63368
Lefort D	84832
Lefort M	59498
	59499
	68251
	88139
Lefort des Ylouses G	31216
	64161
Lefransua L	30721
Lefter G	55510
	63998
Lefter R	2584
Lega A	78656
Lega G	74870
	75316
	94950
Le Gal M	67613
Le Gall J	67711
	77062
Le Gallo C	67212
Legay J M	64219
Legendre R	64305
Leggate B M	81579
Legge J B	73746
Legget R F	70444
Leggett H W	83478
Leggo D	65798
Legkostup S S	75935
Le Gouis M	75142
Legowski T	87121
Legowski T J	81656
	86669
Legrand C D	58671
Legrand G	75109
Le Grontec P	76150
	94406
Legros	63544
Le Guelte P	72127
Leguil E	79422
Le Guillard J	88602
Leftheriotis E	11309
	27339
	28494
	37369
Lega G	40257
Lega G M	46679
Legal J	20739
Le Gall A	32190
Le Gall Y	47669
Legany M	21655
Legates J E	19856
Legay J M	21136
Lege F M	3617
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	13698
Legeay G	31249
Legendre P	14775
Legg J	4520
Legg J O	18089
Legg P D	16453
Legg W S	57477
Leggate B M	12394
Leggett G E	52509
Leggett H W	43757
Leggett J E	16684
Legkostup S S	22303
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Legner E F	12935
Legostaev V M	10391
Legowski T J	4633
Legrand C	22272
Le Grand F	9532
	9533
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LeGrande C W	6399
Le Graverend E	23988
	41283
	41284
Legro I R A H	42696
	43519
Leguineche A	21542
Leh H O	9045
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Lehane J J	51166
	52438
LeHeron B S	93369
Lehigh Valley Cooperative Farmers	85935
Lehky F	63035
Lehle H	77382
Lehman A J	93111
Lehman J W	19148
Lehman M	51718
Lehmann C O	17081
Lehmann F	39239
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Lehmann W	45307
	83344
Lehmann-Beckow W	33395
Lehne I	25069
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Lehnert C	72637
Lehnhausen G G	44627
Lehoczki Z	36794
Lehoczky J	86670
Lehoczky L	44311
	47348
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	92761
Lehongre G	75109
Lehotsky K	18643
Lehotsky P	71567
Le Houerou H N	50604
Lehr J H	58592
	86466
Lehr J J	24972
	38899
	43959
Lehr J J--Cont	78360
Lehr J R	26639
Lehrer A Z	64429
	92451
	92452
Lehrer P L	94407
Lehtinen O	71633
Lehtinen P T	92334
	92335
Lehto A	49605
Lei G M	4141
Lei H S	68825
Leib E	47737
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Leibel R L	56347
Leibelt W	35194
Leibenzon A S	62826
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Leibig W	85045
Leibovitz L	72638
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Leibundgut H	18674
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Leiby M G	61586
Leichsenring J M	58324
Leidenfrost E	18309
Leiderman L	25914
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Leidl W	3276
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Leigh J F	71937
Leigh J H	663
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Leigh-Dugmore C H	84929
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Leighton R I	23610
Leighton R L	3139
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Leighty W J	2192
Leijerstam B	59004
Leijonhufvud A C	10615
Leike H	9046
	9047
Leikhim E J	46128
Leikina G A	4516
Leiler T E	38122
Leiman M	56394
	74462
Leimu R	71633
Lein A	60379

	Item
Lein Z Ya	75317
Leinati L	36629
	45622
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Leinen N	21859
Leinfellner W	33669
Leininger L N	59710
Leinweber F J	16932
Leipzig Karl Marx Universitat Institut fur Kleintierzucht	20127
Leischner O	18746
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Leisle F F	59500
Leisman G A	76828
Leisner G	37332
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Leiss F	90121
Leister M M	89797
Leistner	86188
Leistner L	3140
Leistner W	36283
	39977
Leitao J D D 'o	13137
Leitch I	49675
Leite E T	94552
	94849
Leite I C	38312
Leite N	60657
Leitgeb S	28673
	46202
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Leith W G	30187
Leitner K	90058
Leitz L A	56860
Leius K	29605
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Leivategija L	63999
Lejcek A	13432
	74392
LeJeune H	27923
Lejeune R R	20895
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Lejon A	25460
Lekczynska J	69955
Lekston J	24894
Lelacheur A G	43261
Leland H V	48322
Leland S E	20629
Leland Stanford University SEE Stanford University	
Le Lay	9059
Lele V C	443
	489
Leleup N	55734
Leley V K	18360
Lelievre E	28010
Lelievre J	46255
Lelley J	31146
Lelliott L G	57285
Lellis M	4540
Leluc M	49070
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Lely J van der	13136
Lemaignen R	31846
Lemaire B	45623
Lemaire C	47167
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Leman V M	16685
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Lemarie J	5302
Le Masne G	21137
	21138
Lemass S F	31847
Lemasson C	50730
Lemay J P	28420
Lemay N H	53456
Lemay T	30587
Lembcke G	18802
Lembcke L W	71320
Lemberg B	22039
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Lembke A	19823
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Lemee G	50605
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Le Menn R	47021
Lemercier J	94230
Le Merre J	50731
Lemesh V F	71673
Lemeshev M	75829
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Lemesle R	16344
	24602
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Lemieux G J	79161
Lemire R	37477
Lemke H	16135
Lemke J	18803
	26944
Lemmel H	2597
Lemmon N F	64784
Lemmon R M	88240
Lemmon R S	133
Le Moal M	75318
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Le Moan G	65086
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Lemoigne M	76725
Lemon E	51167
Lemon E R	1163
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Lemon J F	61320
Lemonde A	82235
Lemos M A M de	78364
Lemos P	18139
Lemos R C de	18184
Lemoyne de Forges	60860
Lempke B J	5466
	29694
	55963
Lemppenau M E	4931
Le Naelou S	18618
	26287
Le Nail F	24144
	43758
Lenartowicz T	67847
Lenaz G	75273
Lencastre A	26476
Lenchevsky O S	18492
Lenco M	23434
Lencsepeti J	75936
Lender T	64651
Lenek O	82741
Leneuf N	18185
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Leng E R	25331
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Leng R A	46145
Lengemann F W	3941
	63436
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Lenger A	71054
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Lengerken H von	55735
Lengerova A	3826
	3836
Lengsfeld J	13318
Lengsfeld W	30002
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Lenher S	26672
Leniger H A	38878
	47631
Leningrad Institut Rastenievodstva	86467
Leningrad Severnyi Nauchno-Issledovatel'skii Institut Gidrotekhniki i Melioratsii	26477
Lenkeit	32543
Lenkeit W	15555
	81211
Lenkiewicz Z	81051
Lenkov L	68953
Len'kov V	20393
Len'kov V I	54943
Lenkova L	40396
Len'kova V A	54943
Lennard J H	50272
	58938
Lennard V	13826
Lennerts L	40058
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Lennette E H	20652
Lennington D	76417
Lennox F G	74973
Lennox W J	63001
Lenoir J	83907
	93410
Lenos W L	93858
Lensch J	54358
Lenschow J	90846
Lenshin A	52787
Lensing F H W	69473
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Lensink B M	56004
Lenski R	91971
Lensky Y	55607
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Lent H	64047
Lent R	44394
Lenta P L	41530
Lenti L	49043
Lentz A N	26709
	35639
Lentz C P	7249
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Lentz P L	32984
Lenz F	1135
Lenz F--Cont	15556
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	16694
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Lenz L W	58672
Lenz O	45153
Lenze	83908
Lenzi A M	33250
Leo M W M	18186
Leo P L	38539
	38540
Leon H M	87043
Leon J	60007
	77604
Leon N L di	84810
Leon R	22860
Leon Fernandez J L	73068
Leon Manzo R	88725
Leonard A	87190
Leonard A R	74477
Leonard A S	319
	13377
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Leonard C D	18369
	61397
	61444
Leonard C G	6569
Leonard D E	12341
Leonard E C	58570
Leonard E K	6460
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Leonard R A	52417
Leonard R E	2244
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Leonard R K	29928
Leonard S J	14112
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Leonard S L	3918
Leonard V G	6708
Leonard W F	89334
Leonard W H	51665
	88283
Leonardi L	80217
Leoncheva N V	68150
Leone I A	41652
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Leong K C	3884
	45921
Leonhard I	74720
Leonhardt H G	63300
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	79314
Leoni L	75741
Leonide J C	29448
	46944
Leonik E	94824
Leonori-Ossicini A	33151
	33152
Leonov B I	30953
Leonov I P	92830
	92831
	92832
Leonov N	94921
Leonov Yu A	56035
Leont'ev A	90215
Leont'ev A M	9484
Leont'ev N L	45154
Leont'ev V M	1869
Leont'eva Yu	33396
Leont'evskii K E	93918
Leopold A	54359
	80635
Leopold A C	1359
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Leopold R	93077
Leoschke W L	63098
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Lepadatu V	51170
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Lepajoe L	63360
Le Pechon G	30003
Lepekhina A A	18855
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Le Pennec J	45624
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Lepes T J	81542
Lepeshinskaya O B	27385
Lepeshkin I P	75774
Lepesme P	92378
	92379
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	92385
	92386
Lepigre A L	57084
L'Eplattenier M	97713
Lepneva S G	13085
Lepojev O	28021
	63276
Lepore P D	91524
Leporsky A	18804
Lepoutre B	35222
Leppik A I	86667
Leppik E E	58792
Leppin D	22847
Leppind R S	45996
Leppmeier F	2945
Le Provost B	20016
Le Quesne W J	38313
Ler P A	12884
Lerav J	19107
Le Ray J	44937
LeRay N L	49424
Lerch J	34600
Lerche	8044
Lerche K	39515
	39516
	84064
Lerche M	36284

	Item
Lerche M--	48677
Cont	48704
	84694
Le Riche H H	41795
Lermond C A	6524
Lernau H	28496
Lerner I M	27287
Lerner S	10392
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Leroux C	27386
Leroux E J	12561
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Le Roux G D	93275
Le Roux J C	1746
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Le Roux J J S	48451
Leroux L	3141
Le Roux P	60009
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Le Roux P H	19515
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Le Roux P L	37177
	37289
Le Roux P M	24278
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Leroux R	26889
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Leroux-Bobillier D	30588
Leroy	71794
Le Roy	76712
Leroy A M	4050
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Leroy G	54537
Le Roy H L	36154
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Leroy J F	8225
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	41420
	41421
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Leroy L	49393
Leroy P	63208
Leroy R	65087
Lerpiniere G	19401
Lesaffre J	22861
Lesaint C	8921
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Lesch W	35152
Lescure F	27478
	36788
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Leseigneur L	46859
Lesesne E H	35555
Leshchenko A E	20171
Leshchenko I	15087
Leshchenko I K	13969
	23103
Leshchilovskaya I I	66802
Leshchilovskii I F	18974
Leshchina-Deryagina R P	89756
Leshchuk A E	53662
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	62202
	90447
Leshem Y	89181
Lesik B V	15232
Lesins K	8829
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Lesins K P	63037
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	63485
	63486
Leska W	38745
	46562
Leski R	12562
	38745
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	46563
Leski R A	81405
Leskinen A	22365
Lesko J	26890
Leskosek M	78592
Leskova A	73380
Leskova A Ya	46595
Leskova E S	16687
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Lesley J T	38946
Lesley J W	1136
	9622
Leslie A J	79411
Leslie P H	92387
Leslie W R	34782
Lesnic S	34456
	43177
Lesnik V	79423
Lesnikov M	89355
Lesnov P A	61920
Lesnova E P	37159
Le Souef D H	54944
Lesperance A J	36610
Lesperance A L	3499
Lessard J R	6420
Lesse H de	21402
	21403
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	38491
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Lesslie I W	54360
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Lessmann D	92231
Lessof M	36925
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Lester D T	10756
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Lester W B	80747
Lestoille M	84655
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Leszko M	85046
Lesztak Mrs J	70201
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Letham D S	1137
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Letnes A	52788
Letrouit-Galinou M A	87269
Letouzey R	10594
Letouzey Y	32655
Lett J T	68826
Letteron	20019
Letters R	88905
Lettow E	45770
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Letts G A	79974
Letuchev K P	72782
Letunov I	15088
Letunova S V	34016
Letutiu C	81072
Leu L S	67848
Leu T	77322
Leuchs F	43759
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Leuck D B	63929
Leudtke W	63038
Leuenberger M	20502
Leumen J	54303
Leun A A J van der	63361
Leunen J	11285
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Leung W T W	13450
Leusheva M I	26115
Leutard	34936
Leuthardt F	21166
Leuthold R	82887
Lev M	80839
	80840
Levaditi J	12256
Levadoux L	60721
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Levanov V E	45115
Levanovskii L B	10419
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Levantin D L	62619
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Levasseur L	82291
	82292
Levchenko V P	45155
Levchenya S S	88603
Levchinskaya G	64358
Levchuk T M	6970
Levdik F P	18805
Leveille G A	11977
Leven J A van't	26569
Levenberg B	16933
Levenberg I G	11616
	20056
Levene H	38174
Levenshtein M L	8146
Levente M	56516
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Leverington K C	52962
Leverton R M	7941
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Levi H W	64306
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Levi I	28879
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Levi L R	82164
Levicheva A I	55608
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Levine V E	65088
Levinskii M I	13213
Levinson F E	54188
Levinson L B	3134
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Levinson Z H	8015
Levintan Yu M	52963
Levishko A P	78211
Levit A B	37562
Levit L B	45059
Levita J	53679
Levitan E	83902
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Levitin Kh Z	88840
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Levitov M M	68828
Levitre G	37868
Levitskaya T N	3138
Levitskaya K I	18975
Levitskii I I	87191
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Levitt J	1139
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Levitt M S	28448
Levkovich E N	72855
Levochkin S I	1425
Levonen H J	17468
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Levoshina A I	20678
Levring T	50607
Levshin A V	14738
Levshina N A	67576
Levskii A A	7776
Levushkin S I	82094
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Levy H E	19864
Levy H R	1870
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Levy Hofmann L	17868
Levykin N N	21543
Lewallen L L	12342
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Lewis C T	46352
Lewis C W	16343

	Item
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Lewter D W	3371
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Leyerer G	24973
Leyerseder L	84066
Leygraf W	41116
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Leys H N	60797
Leyton L	53332
Leyvraz H	17369
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Leziak Z	67849
Lezina T	24974
L'gov G K	16739
L'Helias C	21293
L'Hellias C	82537
L'Heritier A	19958
Lhoste J	12343
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Lhotsky J	18966
Lhuissier M	83870
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Li A B	72811
Li C	82965
Li C C	29477
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Li D H	85402
Li E S	42470
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Li P N--Cont	63848
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Liang B L	38043
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Liberia Dept of Agriculture and Commerce	76664
Liberman L A	74721
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Libershtein I	69382
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Libershtein I I	69635
	88605
Liberta A E	15860
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Libets S P	62673
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Libikova H	20653
Libizov M P	94409
Libkind A	57993
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Liblik V	62828
Libya Central Statistics Off	15379
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Licciardello J J	74414
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Lichmanova A I	89508
Lichowski R	93016
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Lichtenthaler H K	60334
Lichtwardt R W	282
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Liczkowski J	23174
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Liddicoet A R	2643
Liddle P C	47323
Liden K	30574
Lider L A	9560
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Lidov V P	70855
Lidtke W	88606
Lidtveit A	23492
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Liebe H P	30659
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Liebelt M A	64821
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Liebscher K	71674
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Liechti H	21544
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Lieck H	71659
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Lieftinck M A	5624
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Lier R A J van	49164
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Lievesley P M	69054
Lifkova Z	6890
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Lifquist R C	65133
Lifshits D B	31194
Ligachev I N	87309
Liggett L	48731
	48732
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Light M R	4088
Lightbody L C	56644
Lightbody L G	6226
Lighter R	8831
Lightfoot R G	45060
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Likhoedenko K I	47300
Likhovidova E V	68543
Liljedahl J B	57761
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Liljedahl L A	83198
	83199

	Item
Liljedahl L E	27633
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Lillegraven A	17982
Lilleland O	2305
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Lilley R W	57945
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Lilov D Ts	1727
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Lilyblade A L	75643
Lima A da C	29606
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Lima F P	28106
Lima J	6140
Lima J A	32941
Lima J M F de	40994
Lima M M	37478
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Lima-de-Faria A	42248
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Limar' R S	8978
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Limarenko L K	55494
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Limberk J	42003
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Liming F G	2741
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Lin C W	34037
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Lin S Y	33228
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Linchevskii I A	15768
Linck A J	9030
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Lincke W	22226
Lincoln A	8174
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Lincoln D C R	21139
Lincoln F B	59132
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Lincoln W C	51101
Lincoln College Farmers Conference	94306
Lincoln Red Cattle Society	19659
Lind N	39020
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Lindauer V W	24061
Lindayen C K	36147
Lindayen T M	36147
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Lindberg J E	31147
Lindberg O	51063
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Linde H	23397
Linde O	39240
Lindeberg E	41183
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Lindegren C C	16326
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Lindegren C C--Cont	50873
Lindegren G	50872
Lindegren J E	5195
Lindeiner-Wildau H G V	10570
Lindelof M M	14366
Lindeman C F	90311
Lindeman J	17593
Linden B A	71795
Linden B L van der	136
Linden H G	30028
Linden M I	42387
Linden R	68475
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Lindenbergh H L J	66832
Lindenmaier P R	3902
Lindenmuth A W	10834
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Lindgren N O	80834
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Lindhe B	71939
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Lindholm O	36902
Lindholm R W	40359
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Lindley C E	36451
Lindley P B	31492
Lindley W H	62728
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Lindsay D R	20394
Lindsay D W	50908
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Lindsay R C	44628
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Lindstrom O	50356
Lindstrom R S	1143
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Lindstrom T	56173
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Lindt S	11617
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Line R F	9835
Linehan P A	9055
Linen Flax Corporation of New Zealand	13971
Liner H L	21550
Linerode P A	28207
Lines G E	89713
Lines R	90216
Lineva V A	55199
Linevich A A	12887
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Ling R S	16746
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Linko P	22456
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Linko R R	31638
Linko Y Y	24965
Links J	1360
Linkswiler H	58324
Linn M B	26610
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Linnard W	2680
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Linnell R H	40206
Linnen-Kohl K	4054
Linnert G	774
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Linnett R J B	3064
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Linon G P	13801
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Lins D M	30909

	Item
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Linscott D L	16795
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Linse P	3752
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Linton J H	37190
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Liogen'skii G L	27124
Lip H T	2307
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Lipanowicz J	91864
Lipatov N	56645
Lipatova V A	75856
Lipatova V V	59330
Lipczynski A	72392
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Lipez-Arunda A E	23053
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Lipinska J	42388
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Lipis B V	39173
Lipis B Z	93649
Lipke W G	52181
Lipkin P	47569
Lipkind I M	10433
Lipmann F	88209
Lipnitskii I F	90655
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Lipowa I	20854
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Liptrott R E	13646
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Lisboa N P	93974
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Lisenkov A P	69563
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Lisichenok V S	7253
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Lisitsyn A P	63089
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Liskiewicz S	5625
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Lisova A I	92456
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Lisovenko L T	59501
Lisovenko S I	5736
Lisovskii G M	14264
Lisovskii I V	5791
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Lissitschkin S M	47632
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Lissouba P	42420
Lissowski G	92833
List A	50735
Lista N	45625
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Listov P N	5890
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Listowski A	9056
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Litchfeld C	84811
Litchfield J H	56485
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Littlejohn J P	93151
Littlejohns I R	81280
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Litton J	62983
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Litvenkova E A	11979
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Liversage V	14998
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	Item
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Livingstone R M	28606
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Lobotka I	74340
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Lobovnikov T S	35899
Lobowikowa G A	18116
Lobzhanidze E D	27196
	90092
Locascio S J	61078
Locatelli A	3424
	53931
	53973
	80689
	80937
	90970
Locatelli E	93411
Loche J	60298
Lochhead A G	52608
Lochkarev V A	53932
Lochmann E H	14351
	31250
	93811
	93812
	93813
Lochow J von	24793
Lochow J von--Cont	88285
Lock J A	91017
Lockart D D	71463
Lockard J D	60018
Locke E G	2948
	27075
	62107
	62108
Locke G M	62120
	79316
Locke L N	3765
Locke M	37978
Locke S B	553
Locket G H	4932
Lockett C	14354
	48629
Lockhart C L	1720
	33249
	39757
	57085
Lockhart D D	2768
Lockhart J A	51178
Lockhart J M	89715
Lockhart R	23054
Lockhart W C	3868
	36988
Lockley A S	4464
Lockwood A R	13545
Lockwood J L	1871
	18090
	60014
	61217
Lockwood W S	94768
Lodde R L	65059
Lodders H	94671
Loddo B	11286
	79844
Lode O	20750
Loden H D	40675
Lodewijck J	31311
Lodge G A	45862
	63594
	73003
	73004
Lodge J R	3295
Lodge R H	43334
Lodge R W	21707
	59287
	59288
	69519
	77963
Lodhi S A K	48734
Lodi F	26482
	93009
Lodi Istituto Sperimentale di Caseificio	22103
	93412
Lodin L O	74826
Loebe I	29135
Loebenstein G	564
	87044
Loeffel F A	51669
	51670
Loeffler K	36792
	36814
	72322
Loeffler W	86576
Loegering W Q	50358
Loegering W Q--Cont	67851
Loen A van	3298
Loening U E	9284
Loeper H F von	30589
Loeschcke V	59005
	65721
Loesener I	40839
Loestadius R	90533
Loetsch F	18807
	44686
Loewel	22428
Loewel E L	8477
	9578
	22304
	41825
	48303
	48346
	83052
	86659
Loewenstein D E	23493
Loewenstein H	26892
Loewus F A	1361
	16934
	51524
	51525
	88182
Loffler H	10992
Loffler U	64425
Loffman D	3733
Lofgreen G P	11496
	27635
	45626
	62674
Lofgren C S	28781
	28963
	29010
	81407
Lofgren J A	50202
	81408
Lofthus J L	66980
Loftin M T	7736
	15295
	85255
	85903
	85953
	85954
Lofting E C L	35658
Loftis R S	15233
Lofton K T	18494
Loftsgard L	57947
Loftsgard L D	7551
	13138
	13478
	14606
	31771
	49355
	66522
Loftus J P	67276
Logachev V P	13256
Logan C	24390
	41947
Logan D S	3373
Logan E P	40344
Logan J A	21823
Logan J K	94544
Logan K E	13581
Logan K T	90217
Logan R F	66833
	66849
Logan V S	1595
	11183
	62684
	91021
Logeart P	21708
Logginov B I	61921
	79397
Loggins P E	11468
	12151
Loginov F	9382
Loginov M A	42748
Loginova G	66381
Loginova K M	63885
	86666
Loginova M M	12930
Loginova N V	28421
Loginow W	89509
Logishinets N G	11763
Logvina M G	68893
Logvinenko O A	78572
Logvinov L	66422
Logvinova A A	62387
Loh C S	34559
Loh L Y S	9225
Lohani B K	39518
Lohden A	9578
	22304
	22366
	48372
	48373
	49328
	58022
Loher W	21463
Lohia K L	11422
Lohkamp A T	83551
Lohle K	20329
	37248
Lohman A G	32312
Lohman R L	57493
	22347
Lohnisky K	81409
Lohr H	56637
Lohr J	29378
Löhr L	21545
	47416
	64885
	66549
	73963
Lohrer J	11830
	36903
Lohrey R E	2682
Lohvynenko V M	64500
	64501
	73748
Lohwag K	3142
	8368
	49805
Loibl H	82746
Loibl L	94308
Loidina G I	24433
	51666
Loiko A M	73964
Loiko A N	69097
	69100

	Item
Loiko I	14326
Loilier M	14594
	22834
Loiry S W	19149
Loiselle R	50344
	51667
Loisil L	75318
	84477
	84478
	84479
	84480
Loiter M N	26483
Lojda Z	51453
Lok S H	94513
Loken K I	62829
Lokenbaha A	15558
Lokhmatov N A	26820
Lokhorst W	3833
Lokonen P	18619
Loksha I	82165
Lokshina I E	55649
	55688
Loktev L S	82960
Lokvenc T	87310
Loladze V R	51179
Loliger H C	3934
	27217
	28301
	63109
	63119
	72376
	80841
	91285
Lollar R M	48709
Lolli B	4279
	28698
Lolli M	13783
Lollichon F	35356
Lolonis N F	51982
Lom F	66343
	66550
Loma J L de la	35504
	78842
Lomagin A G	34044
	60019
Lombard C	3143
	11619
	11620
	27387
	36285
	62830
	80842
	81287
	91525
Lombard P B	88870
Lombard P E	6902
Lombardi D	80869
	80870
	81109
Lombardi L	46713
Lombardi M	23494
	23495
	63040
Lombardi P L	4853
	46714
	46715
Lombardi P L--Cont	73487
	73488
	82048
	89423
Lombardini G	4933
	4934
	4935
Lombardo B	27789
Lombardo U	39758
Lomibao B A	71593
Lomiya N Ya	34616
	24723
Lommasson R C	50737
Lomott E	75757
Lomovskaya O I	60020
Lona F	23878
	23879
Loncin M	84812
London Royal College of Veterinary Surgeons	36286
Londrillo A	54679
Loneragan J F	10080
Long A	6932
	17894
Long A A	26484
Long A R	48493
Long B E	7267
Long C N H	53933
Long D	9727
Long D L	21803
Long D R	58890
Long D R M	5470
	82747
	82748
	82749
	82750
Long E J	30910
	66551
	76154
Long F E	39009
	65788
	93112
Long F R	8148
	8149
	8228
	34786
Long G	36748
Long G A	31271
Long H	5877
Long J	28373
	49341
Long J A	775
	17474
	52231
	67852
Long J D	29502
Long J F	63646
Long J L	15899
Long J T	25406
Long M E	5719
	5766
	13319
	21577
	32387
	38766
Long M E--Cont	47596
	47597
	47598
	56317
	64755
	64886
	67063
	83200
	83201
	83202
Long M I E	10313
	42916
Long O H	10228
	61398
Long P L	11962
	37062
	63302
Long R	5471
Long R A	3277
	7608
	36427
Long R W	137
	41423
Long S J	20542
Long T J	68833
Long W G	65756
Long W H	28989
	29000
	31978
	46468
	55425
	85162
Longa N	43262
Longacre L L	70203
Longchamp R	42247
	52253
	70071
	77606
Longenbaugh R A	78787
Longfield C	13086
Longhena G B	10229
	34601
	77064
	85553
	89182
Longhouse A D	74292
	83242
Longhurst T J	23864
Longhurst W M	83282
Longinov N V	80971
Longnecker E D	26649
Longnecker T C	77607
Longo G	10230
Longquist J H	17060
Longstaff W H	18320
	18321
	70580
Longueau L de	40995
Longuenesse G	27790
Longwill A	81288
Longwood F R	10928
	53721
Longworth J F	8595
Lonkar V V	40178
Lønne G	57317
Lonnemark H	13242
Lonnquist J H	77441
	88376
Loo L G W v d	6333
	6334
	6374
	6375
	30660
	65467
	65468
	65469
	65470
	83910
	93413
Loof B	1633
	42701
	51730
	51820
Look E H	2433
Lookene G	36287
	36288
Looman W	22863
Loomis C W	14675
	40637
	40638
	49222
	49329
	49330
	49331
	49332
	49333
	49334
	58023
	58024
	76263
	76264
	76265
	76266
Loomis E C	4401
	55348
Loomis H F	4936
	55689
	55690
Loomis R A	76155
	76219
	76267
Loomis R B	55691
	73570
Loomis R S	50489
	60021
	77997
Loomis W D	1318
Loomis W E	42656
Loon C D van	78158
Looney Z M	30814
Loope K E	54189
	54190
	76268
Loos C A	24468
	50451
Loos W E	71611
Loose R de	899
	9058
	59711
	68476
Loosli J K	3374
	4217
	10240
	11156
	11512
Loosli J K--Cont	12054
	12276
	19376
	19735
	19736
	19774
	36928
	37243
	37388
	45210
	71675
Loosmore R M	20510
	27316
	36634
Loow H	84351
Loparev I V	90656
Lopatin G	45031
Lopatin V	78909
Lopatin V D	16230
Lopatinskii S	75319
Lopatta H	53150
Loper G M	16796
Lopes H de S	5125
	38202
	64432
Lopes N F C	4634
	46566
Lopez A	6141
	30139
	30995
Lopez A B	48141
Lopez D T	11105
Lopez F R	10962
Lopez J A	60664
	65582
Lopez L	17270
Lopez M E	77168
Lopez-Aranda A E	14730
	39759
Lopez Arias A	91746
Lopez B F	85048
Lopez-Capont F	39010
	56440
Lopez Garcia-Pantaleon J L	54690
Lopez Grande F	28450
	54691
	54733
Lopez Hernandez J A	85049
	94052
Lopez-Matos L	50359
Lopez Medel J	66410
Lopez Michelsen	23398
Lopez-Rioboo Tenreiro F	17061
	17062
Lopez-Rosa J H	67983
	67984
Lopez-Saez J F	59430
	59431
Lopez Serrano F	85673
Lopez Souza A	92091
Lopp O V	28890
Loppnow H	3681
	36809
	36828
	54361
Lopreato J	7737

	Item
Loprieno N	16033
	41826
Loptin I K	82296
Lopuchovsky J	63281
Lopukhov E I	2566
Lopushinsky W	16797
	68834
Loquet A	20233
Lora-Tamayo M	84204
Lorand L	84205
Loras V	11032
Lorber J H	63033
Lorberbaum V G	44878
Lorca Cerda G	39059
Lord A	90394
	90478
Lord E	39519
Lord F T	21058
	46567
Lord J	17063
Lord K A	4523
Lord L H	90657
	91193
Lord P B	89336
Lord P M	5597
Lord R	74465
	83417
Lord S L	78116
Lord W J	52254
Lordello L G E	16177
	24458
	28951
	33440
	50540
	87122
	87123
	87124
	87125
Lorenc J	23880
Lorens W A	6421
Lorenz D	37895
	86019
Lorenz F W	72469
Lorenz H	3682
	76229
Lorenz K	21022
Lorenz O	14568
Lorenz O A	35357
	52859
	52860
	70581
	89775
Lorenz R	4264
Lorenz R J	18495
	60575
	69593
	88609
Lorenz S	14607
	23599
Lorenz W	7144
Lorenzana G D	55019
Lorenzen C	24980
Lorenzo F de	87783
Lorenzo-Andreu A	69213
Lorenzola F	65888
Lorenzoni G G	59289
	77330
Loriette C	48807
Lorimer R I	5472
	5473
	5474
Lorincz F	62831
	65974
	65975
	65999
	66000
	93853
Lőrincz J	70582
	70583
Loring H S	59158
Loring L B	86672
Loriya K F	11429
Loriya Z V	11429
	62588
Lorkovic Z	38491
	55965
	64653
Lorne R	10663
Lortholary J	45355
Lortie M	79242
Lorvik S	80380
	80943
Lorz A P	1872
	60884
Los J	65107
Los Angeles County (Calif) Agricultural Commissioner	23726
Los Angeles County (Calif) Dept of Arboreta and Botanic Gardens	32656
Los Angeles County (Calif) Fire Dept	90270
Los Angeles County (Calif) Livestock Dept	54061
Los Angeles Grain Exchange	65889
Losada M	88183
Losch R W	7664
Lösch W	49335
Loschbrandt F	11032
Losee F L	18127
Loshak I F	10281
	26335
Lositskii K B	18688
	26674
Loskot J	38811
Loskutov R I	90237
Losleben L A	75250
Losonsky L	87784
Lossaint P	18091
Lossois P	78054
Lostetter C H	7987
Lo Storto C	80221
Losyeva A L	45564
Lotan E	27791
Lothian N	15696
	67467
	67468
	67469
Lotova L I	59502
	71175
Lotsch D	11833
Lotschert W	10001
Lotschert W-- Cont	10034
	24521
	33525
	33526
Lotse E	52792
Lotspeich F B	61282
Lott E J	8045
	79243
Lott H V	16798
Lott J	62680
Lott R L	37063
Lott W L	26288
	70586
Lotte A	38947
Lotter J de V	48419
Lotti C	26485
Lotti G	18189
	25219
	61126
Lotti T	2628
	18897
	53395
Lotz E van der S	47269
	64786
Lotze J C	54946
	63489
Loubaud	75320
Loubser J W	58523
Loucks N S	26289
Loucks O L	44678
	77331
	79115
Louden M S	61988
Louderback A L	42249
Loudermilk H	44887
Loue A	9059
	9060
	61399
	61400
	77608
Lough S A	47738
Loughead M	23670
Loughman B C	9285
Loughridge A	74114
Loughry F G	78499
Loughton A	35611
	77609
	87785
Louis A	2205
	2206
	9579
	42250
	65227
	70445
	89594
Louis G L	6526
	6527
	39520
	56859
	56860
	56884
	93493
Louis R	74915
Louis-Delamare J	7882
	30383
	39170
	39171
Louis-Marie Pere	24522
	32805
Louisiana	45723
Cattlemen's Association	
Louisiana Dept of Agriculture and Immigration	70901
	86116
Immigration Div	85787
Louisiana Forestry Commission	70977
	79063
Louisiana State Employment Serv	40397
Div of Employment Security	
Louisiana State Market News Serv	22367
Louisiana State Soil Conservation Committee	2480
Louisiana State University and Agricultural and Mechanical College School of Forestry	40484
	53282
Loukes W J	27024
Louloudes S J	82401
	82830
Lounamaa J	77332
Lounsky J	4635
	63932
Loupe D T	51847
Lourdes de la Isla M de	86637
Loureiro F M de	15119
Lourenco J S	15000
Lourens W A	1362
Louro M da A	14037
Lourteig A	32806
Loury M	22677
	31381
	48775
	75554
	75555
Lousley J E	32807
	41286
	41424
	41425
	41426
Lousse A	54191
Loutit J F	30238
Loutrel P	7569
Louveaux J	33679
	64159
	73434
Louw D J	20395
Louw G N	81142
Louwes A J	66664
Louwrier K P	51546
Lovas B	33014
Lovas Gy	72184
Lovasy G	85991
Lovato A	77610
Lovatt B A	1873
Lovchii N F	77333
	79369
Love A	8752
	32711
	32808
	49756
	76907
Love C E	84910
Love D	138
	8229
	8752
	32711
Love D B	48659
	84745
Love D V	53494
Love F K	36783
Love G J	5200
Love H M	7609
	49884
Love J F	45566
Love J R	52793
Love L D	2035
Love M D	67009
Love R M	22935
	61541
Loveday R K	54449
	63653
Lovegren N V	7106
	22693
	84788
Lovelace F E	36928
Lovelace S A	28474
Loveland C C	84569
Loveless L	11994
Lovéless W G	7883
	15381
Lovell H B	61025
	78252
Lovell R	3502
	90658
Lovely W G	5745
Loverci L	3683
	27960
Lovett W J	1141
Lovisolo O	33250
	33398
	42004
	77240
Lövkvist B	58524
Lovrekovich L	41948
	86975
Lovric T	57097
Lovyannikov P	70162
	76269
Lovyannikov P T	15089
Low A	69474
Low A J	10231
Low E M	66665
Low P F	10035
	18001
	18018
	24981
	43942
	52417
	52477
Low W E	25740

Lowden M S 35865, 38596, 61989
Lowdermilk W C 35505
Lowe A D 29001, 73744, 73749, 82297
Lowe B 39925
Lowe C C 24716, 88583
Lowe C H 8681
Lowe D 17594, 42506
Lowe H 72393
Lowe J 9055, 32809, 77955
Lowe J L 8303, 67596, 67616, 67617
Lowe L E 2095, 52473
Lowe M B 77140
Lowe R H 1363, 35201
Lowe R W 45913, 91421
Lowe T H 45499
Lowe Y 94410
Lowen W K 431
Lowenstein F 6528, 7884, 13972, 30815
Lowenstein M 85936
Lower R L 69992
Lower Peninsula Forest Research Council 89986
Lowig E 22813, 24982, 40143, 42702
Lowings P H 41654
Lowrey L W 2481
Lowrey R S 12276, 37388, 46203
Lowrie A W 32313, 32314
Lowry G L 2730, 44822
Lowry R R 74743
Lowry S T 35692
Lowry W L 12486, 28782
Lowry & Co 66231
Lowstuter A B 5986
Loxton R F 52662
Loyal D S 192, 68477
Loycke H J 18747, 53333
Loyer S L 64162
Loza P S 64956
Lozada A S de 94278
Lozan I 90575
Lozanic B 63110
Lozano T J C 86911
Lozhnikova V N 68596
Lozina-Lozinskii L K 42703
Lozinskii V A 13015, 92239
Lozova G I 69255
Lozyns'kyi V O 92164
Lu B C 68312, 76851
Lu B J 38278
Lu H H 66858
Lu V V 11980
Lu Y C 43315
Luard D E T 94131
Lubani K R 50360
Lubardic V 26595
Lubell S 85446
Lubenets P A 34506, 34507, 69564
Lubieniecka-von Schelhorn M 74527
Lubis I P 26351
Lubke A 28675, 72447
Lubke H 86190
Lubkowski Z 93711
Lublin Wyzsza Szkola Rolnicza Wydzial Weterynaryjny 73005
Luboshnikov A G 37064
Lubrini A 3503, 3504, 11621
Lubyanetskii S A 6968, 6969
Luc M 24488, 50541, 50542, 59213, 77279
Luca D di 79925
Luca F de 21919
Luca M de 49047
Luca Y de 5015, 92389, 92390
Lucacsovits I 35744
Lucam F 11287, 11622, 11623, 36289, 45309
Lucas A 36662, 37065, 75069
Lucas A M 3935, 28302
Lucas C E 33527
Lucas F 65623
Lucas G B 59087
Lucas H L 72030
Lucas H R 43521
Lucas I 46204
Lucas I A M 28606
Lucas I A M-- Cont 45862, 55034, 63595, 81212, 81213
Lucas J 77528
Lucas J A W 55966
Lucas J M S 80843
Lucas J W 51277
Lucas L F 37302
Lucas M H 4136
Lucas M T 307
Lucas R 10864
Lucas T R A 43553
Lucas W 35567, 94137
Lucassen F T SEE Valk Lucassen F T
Lucchese A del 3144, 3505
Lucci G 7241
Luce W 78072, 82968
Luce W A 34640, 84155, 87786
Lucena D T de 37564, 37565, 38203, 38318, 47023
Lucena-Conde F 18002, 18007
Lucey R F 52241
Luchetti G 39172
Luchina N N 67853
Luchini R 22146, 22429, 74916
Luchitskaya E N 30384
Luchnik Z I 17475
Luchowiec J 90847
Luciani V 42704
Luciano F 40996, 40997, 76543
Lucibelli A 40485
Lucic D 86839
Lucic S 86840
Lucifero M 62676
Lucius M 44095
Luck E 30286
Luck H 14484, 48776, 57365
Luck H B 87311
Luck W 75475
Lucker H A 31848, 57839
Lucker J T 46147
Luckett J D 34358
Luckey M W 6668
Luckey T D 38814
Luckham W R 20307, 48847
Luckham W R-- Cont 56274
Luckhardt R L 52794, 78729
Luckhoff J 67185
Luckmann W H 20742
Lucks L 83896
Luckwill L C 68835, 77353, 87045
Lucy J A 28242
Luczak J 46792
Luczak M 83769
Luddecke F 19403, 19404, 36187, 45212, 45500, 52107, 89183
Luddy F E 31252, 47932, 75403
Ludecke H 17252, 24983, 51848, 55426
Ludecke T E 1596, 43263
Ludeman F 54111
Ludemann D 12346, 46346
Ludemann H 56130, 73965, 73966, 74223, 83106
Luders H 13390
Luders W 73623
Ludford C G 28569
Ludi W 68151, 77334, 86191
Ludicke M 80844
Ludington D C 21656, 48428, 74305, 74359, 74372, 84315
Ludington V D 57168
Ludke G 54712
Ludlam T 93650
Ludloff K 48535
Ludtke 14531, 21786, 31451, 47739, 65089
Ludtke M 9286, 30816, 48222
Ludtke W 34508
Ludvigsen J B 20511
Ludwieg F 53781
Ludwig A 86335
Ludwig C 11288
Ludwig C H 71586
Ludwig D 29415, 82298
Ludwig D D 65044
Ludwig H 14113
Ludwig H F 2434
Ludwig H W 12827
Ludwig K H 72937
Ludwig K S 72856
Ludwig M I 32466
Ludwig P D 37547, 55334, 81543
Ludwig R A 16625
Ludwig T G 18127
Ludwig W 66940
Luecke R W 11333, 12270, 63599, 63658, 72952
Lueddeckens M 28208, 63209
Luedke A J 27820
Luen S C 12345, 81410
Luepschen N S 529, 48452
Luferov V P 73688
Luferova E I 27636
Lugan G 91772
Luganskii N A 44823, 90146
Lugg G L 56174
Lugg G W 85295
Lugg J 31766
Luginbuhl H 20018, 71796
Luginbuhl R E 20203, 37021, 37072, 46027, 46036
Lugo P 10026
Lugovik B A 92019
Lugovkin V 14038, 92824
Lugovoi E V 61821
Luh B S 14112, 40066, 48467
Luh P L 38265, 38285
Luh W 82841
Luhman C A 74917
Luhmann M 36992
Luhn C H 8534
Luhrs E 46064
Lui C M 78841
Lui T 87781
Luick J R 36715, 45772
Luigi C 86841
Luis R A 12605
Luitingh A 67542
Luitingh H C 3048, 3375, 27269

	Item
Luitingh H C--Cont	45627
	80350
	80351
Luitjes J	21325
Lujan Navas E H	63041
Lukacsovics F	4854
	73493
Lukanc A	19831
	36346
	91856
Lukanenkova V K	8682
Lukanina E U	48026
Lukanov M A	5822
Lukanow J	32088
	85708
Lukarenko A	65389
Lukashev A	90561
Lukashev I I	28676
	36290
	80352
Lukashev K I	70273
	78362
	89510
Lukashevich A I	8478
Lukashik N A	3049
	72031
Lukashuk N P	1874
Lukasiak J	29503
	29504
Lukaszewicz M	83911
Luke H H	936
	59006
	59007
Lukefahr M J	46861
	55967
Lukens R J	52161
	52163
	67712
Luker C	10452
	53038
Lukert P D	19869
Lukezic F L	392
	24227
Lukicheva E L	68836
Lukiewicz S	41287
Lukin A V	42705
Lukin E I	12740
Lukin L I	58476
Lukinov I	15001
Lukins R G	64015
	81808
Lukkien J	5475
Lukomskaya A I	48871
Lukomski S	50361
	50362
	67854
	67855
Lukoschus F	81544
Lukovnikova G A	39645
	41074
Lukovnikova L	56646
Lukpanov Zh L	63964
	68614
Luks J	27792
Luks Yu A	34787
	43522
	89044
	93561
Lukshis L P	46205
Luk'yanchenko A V	63616
Luk'yanchikov V P	29712
	64090
	81894
Luk'yanchuk I N	91874
Luk'yanenko P P	9383
Luk'yanenko P P	17064
	69383
Luk'yanitsa L G	7327
Luk'yanov A D	2435
	56053
	56926
Luk'yanov B N	44582
Luk'yanov N	58088
	93368
Luk'yanova A D	57948
Lull H W	2774
	70204
Lulov K	86816
	92092
Lum P T M	5204
	21265
Lumb M	67856
Lumb W V	4127
	4128
	4129
	20421
Lumber Survey Committee	53495
Lumry R	51307
Lumsden D	51587
Lumsden G Q	11086
Luna Moreno C	42451
Luna Serrano A	66772
Lunaas T	73006
Lunati U	88841
Lunca N	90848
Lund A	3716
	54942
Lund A E	38576
	47249
Lund D C	28115
Lund G	88106
Lund H A	765
Lund H O	92027
Lund H R	60460
	69419
Lund J W G	634
	32925
	86539
Lund M T	19959
Lund O	30911
	48420
	60630
Lund R G	65624
Lund S	9384
Lundbaek Nordjyllands Landbrugsskole	66941
Lundberg G A	44020
	78438
Lundberg S	92391
Lundblad K	10232
Lundblad O	67214
Lundegardh H	9287
Lundegardh H--Cont	51180
	68837
	68838
Lundell C L	86468
Lunden A O	16454
Lunder L J	56604
Lunder R	55609
	81970
Lundgren A L	10747
	35676
	35987
	61861
Lundgren H P	22227
	30817
	30818
	39521
Lundh E	28071
Lundin R E	83364
Lundquist L	6267
	65449
Lundqvist A	85863
Lundqvist A J A	50875
Lundqvist J	59290
Lundqvist U	33764
Lundstad A	9728
	17476
	34788
	34789
	60022
	60798
Lundström N	57685
	57686
Lundvall R L	63153
Lundy H W	17006
	18349
	26290
Luneau R N	28192
Lunenschloss J	48223
Luner P	2921
Lung C T	37724
Lung Y	85404
Lungarella M	36635
	45628
	62832
Lungeanu I	67395
Lungershausen	11174
Lungershausen A	36507
Lungren H P	65625
Lungu I	78657
Lungu L	67551
Lungu T	81098
Lungwitz K	58106
Lunin J	1142
	24984
	52512
Luning K G	29450
Lunk S	40590
Lunnum K	79317
	90373
Lunstad A	52040
Lunt O R	2308
	9051
	16735
	18311
	18322
	26634
Lunt O R--Cont	35358
	51181
	52725
	52795
	53081
	70902
	78977
	78978
Lunven P	41077
Lunzmann K	10908
	19108
Luomala K	80586
Luong C K	24009
Luond H	21212
Lupan L	25968
Lupanov A	18395
Lupashku I	69565
Lupashku M	88378
Lupe I	26964
Lupe I Z	90122
Lupfert U	47450
Lupien P J	45629
	83770
Lupini L	45630
Lupinos I T	11981
	11982
	46017
	54805
Lupinovich I S	24849
	44096
Lupke H	36597
	54329
	62833
Luppova E P	20586
Lups P	22028
Lupton F G H	9061
	24687
	59712
	42389
Luputiu I	76028
Luquet M	33139
Lur'e A A	10513
Lur'e A B	29865
	92762
Lur'e L Z	53605
	62121
Lur'e N A	71346
Luric A O	67108
Luscher M	29799
Luscomb H	73967
Luscombe E G B	34790
Luscombe J A	30782
Lusena C V	6197
Lush J L	19362
	20445
	62622
	90502
Lushbough C H	22638
Lushchevskaya G M	68568
Lushchik I A	66222
Lushpa O U	41334
	41429
Lusin V	24425
Lusis E Ya	19507
Lusis O	55998
Lusk J W	19695
Lusk J W--Cont	48140
Lusk W C	1597
	9892
Lussagnet F	66666
Lussem H	90789
Lussier L J	19109
	71373
Lustig H	35425
Lustinec J	60023
	68839
	68840
	68841
Lutey R W	84481
Luther A	49806
Luther H	42251
	50610
	68152
Luther H G	19405
	71676
Luther R M	3338
	6933
Luthgen W	54790
Luthi H	48332
	56965
	93562
Luthin J N	10002
	10050
	18429
	53001
Luti R	51413
Lutkova I N	87787
Lutnicki W	45810
Lutokhin S I	54680
Lutomski K	62089
	62100
	62101
	62102
	62157
	62170
	62244
Lutomski P	62179
Lutrick M C	17006
	17065
	18297
Lutsenko T A	53934
Lutsevich F F	36291
Luttge U	77611
Lutton E S	66075
Luttrell C N	36955
Luttrell E S	8293
	59008
Luttrell H	13275
Lüttschwager J	54062
Lutwak-Mann C	37160
Lutwick L E	21604
Lutynski W	62412
	90659
Lutz H	72639
Lutz H J	90020
Lutz J A	2309
	26291
Lutz J F	26059
	52631
	62190
Lutz J L	35506
Lutz J M	39731

	Item
Lutz J M--Cont	57612
Lutz P	74021
	92744
	92745
	93437
Lutz-Ostertag Y	72640
	72641
Luukka V	65311
Lux B	28226
	91462
Luxembourg Off de la Statistique Generale	23496
	74562
Luxembourg Serv d'Etudes et de Documentation Economiques	85163
Luxen K P	48978
Luxford R F	27106
Luxova M	9062
Luyken R	32444
	32474
	49733
	67111
Luyken-Koning F M W	32474
Luykx W A	7071
Luyten I	42623
Luytjes A	85864
Luz E M da	43114
Luz F	85224
	94729
Luzeva L V	71546
Luzhetskii A N	20587
	46353
	46366
Luzhkov M A	37339
Luzhkov M O	72901
Luzi A	62834
	80353
Luzina A V	46937
Luzmorales E M	38045
Luzny J	67857
	68478
Luzuriaga F G	60048
Luzzardi R C	76270
L'vin N S	10453
L'vov A	47350
L'vov N P	70597
L'vov O S	55610
L'vov P L	25741
L'vov S V	19110
L'vov V M	3145
L'vov Yu A	68153
L'vova I N	59503
	59770
	60024
L'vova Z A	62677
L'vovich A I	18496
L'vovich A K	27553
L'vovich M I	70205
Lyadova G L	67934
	81721
Lyaiman E E	86957
Lyakhov S M	73521
	73624
Lyalikov Yu S	39173
Lyalin O O	51182
Lyall L H	22434
Lyamin V A	71547
Lyamungu Coffee Research Station	61026
Lyarskaya R P	59502
Lyashchenko I I	34045
	88184
Lyashenko E G	88759
	94010
Lyashenko I	14887
Lyaskovskaya Yu N	75402
Lyaushkin A V	36675
	36911
Lycett K S	56286
	92955
Lyche J	15147
Lychnikova T D	67142
Lyda S D	457
	6717
Lydall F	30385
Lyerly P J	3373
Lyftingsmo E	27270
Lyke W A	12004
Lykken L	4385
	40840
	67713
	91972
Lykov A	11513
	70584
Lykov V N	80882
Lyle A	11033
Lyle C	92265
Lyle E W	432
Lyle J A	41827
	50257
Lyle M	65727
Lyles L	53039
Lyles W E	78674
Lyman C M	3067
	12211
	39440
	91430
Lyman H	1384
Lyman R L	14300
Lynam F C	2974
Lynch B T	65890
Lynch C	22228
Lynch D L	52663
	70331
Lynch G	74477
Lynch J S	31407
	39011
	74763
Lynch J V	40259
	57840
Lynch L C	20245
	46012
Lynch L J	14061
Lynch M	49336
Lynch T J	84697
Lynd J Q	61338
Lynd J W	89714
Lyndon R F	42706
Lynes W	67466
Lyngaard W N	54362
Lyngstad B	31452
Lyngstad I	61647
	78658
Lynn C D	17736
Lynn J E	83987
Lynn W H	53638
Lyon A G	12729
Lyon A V	61079
Lyon C A	48888
Lyon C J	87788
Lyon C K	31382
Lyon D M M	69886
Lyon F H	5476
Lyon G H	94309
Lyon R L	28783
	73402
Lyonnaz J	62835
Lyons E T	20629
	54620
Lyons J	10489
	30472
	36759
Lyons J M	22430
Lyons L A	64552
Lyons R P	39340
Lyons T	12439
	26347
	52208
Lyons W	85647
Lyons W J	84069
Lyr H	2852
	42983
	62092
Lyric R	78403
Lysak A P	34914
Lysanskii A A	77141
Lyselius A	36060
	36061
Lysenko A A	20396
	37566
	55304
Lysenko F E	69656
Lysenko T D	41230
Lysenko V	92835
Lysenko V S	14329
Lyshko G	74112
Lysó A	20469
Lysø A	55029
	63596
Lysogorov S D	78843
Lyssenko T D	87789
Lyster R L J	48073
Lysyanskii E B	31570
Lysyuk M N	24619
Lytle W F	58456
Lyu Ts Sh	86842
Lyubars'ka O M	46016
Lyubarskaya M L	3830
Lyubarskii E L	59291
Lyubarskii L	31148
Lyubashenko S Ya	11289
	28078
	54589
Lyubavina R	88385
Lyubchenko V M	90218
Lyubenov Ya	92093
Lyubich F P	16799
Lyubimov M P	11289
Lyubimova E E	51776
Lyubimova V F	52252
Lyubins'kyi M A	76727
Lyubivaya A I	93050
Lyubivyi V M	60025
Lyubushkina S G	68154
Lyudmirsky G D	18689
Lyutikov M	31979
Lyutikova P	40107
Lyutova M I	34046
	59861
	68842
Lyzlov E V	75700
Ma F C	29902
	47301
Ma P C	78047
	78048
Ma Y C	35090
Maa T C	37965
	38391
Maack R	49998
Maag T A	20255
Maan S S	16455
Maan W J	5818
	60694
Maanen P H A M van	45699
Maar A	70775
Maarel E van der	59292
Maarse J	88956
Maas A	73007
Maas E F	70585
Maas H J L	28205
	36978
	45999
	46000
Maas J C A V D	27360
Maas J G A van der	45559
Maas W	49408
Maash H J	80715
Maass K	72185
Maassen A W P	55968
	92602
Maassen H	77241
Maastricht Rijkslandbouwproefstation voor Onderzoek van Mestoffen en Veevoeders	61401
Maat D Z	77242
Maatsch R	17477
	67910
Mabasa C A	48141
Mabbitt L A	13726
	13802
Maber H B	12050
Mabon R M	36552
Mabrouk A F	22639
Mabry T J	22672
Mabuni C T	27186
Macadam A C	43264
Macadam I	11624
	81545
McAlear J H	787
	8759
	24614
	33688
	42270
	87326
McAleese C M	17737
McAlexander R A	36537
	15616
	32015
	35363
	57955
McAlister J T	47351
McAlister R	62190
McAllan A	3500
McAllister A L	2223
	25468
	46469
McAllister J S V	10233
	78844
	79039
	79245
McAllister M S	84970
McAllister R A	64502
McAllister S H	76665
MacAloney H J	4758
McAlpine I A	30661
McAlpine J F	5126
	21213
	64433
	73689
McAlpine R G	2991
	44717
McAlpine W S	29697
	92587
Macan T T	21294
	37979
McAnelly B	43708
McAnelly C W	56960
Macapagal D	57539
	85405
McArdle A A	3996
	3997
	66755
	76156
McArdle F J	22419
	22431
McArdle R E	18703
	27076
	52685
	61750
Macarie I	81098
McArthur A T G	32191
	76157
	76810
McArthur J A B	4079
MacArthur J D	57949
	76271
McArthur J M	36292
	47474
	80374
	80375
McArthur W	13477
McArthur W C	31849

	Item
McArthur W C--Cont	32064
	58025
Macau Vilar F	26486
Macaulay J	35887
Macaulay Institute for Soil Research	52369
McAuliffe J D	25827
	43627
	58862
	88610
McAuliffe V J	66975
MacBean J	44123
McBee C W	18190
	26165
	608
MacBeth M E	41049
McBirney S W	38699
McBride A C	43115
McBride C F	19214
	27002
McBride C R	58166
McBride G	22079
	30556
	54845
	65481
	72730
	93352
MacBride J F	32712
	86401
McCahan G R	27388
McCain A H	41828
McCain D P	53410
McCain F S	1480
McCain S A	47740
	56427
McCaleb J E	19737
	54211
McCall J T	11468
	12150
	12151
	62714
McCall R C	30574
McCall W W	1143
McCalla D R	9063
	21336
	77612
McCalla F	43707
McCalla T M	10326
	18115
	26112
McCalley N F	46856
McCallion D J	80862
MacCallum D	7713
MacCallum J	13139
	29941
	52128
	53092
	85992
McCallum J R H	48889
McCallum P	72332
	74377
McCallum R D	48235
McCalmont J R	8929
	13386
McCammon C S	54659
McCammon F D	31611
McCammon R W	76594
McCampbell H C	36568
	91997
McCance R A	23671
McCandlees B J	14093
	66054
McCann F V	4887
McCann G C	57711
McCann J M	69384
McCann W M	23567
McCants C B	7303
	51350
	60184
	78659
McCarlie R A	89922
McCarthy B J	63042
McCarthy C F	13179
McCarthy G A	21957
McCarthy J	47996
McCarthy J K	15234
McCarthy P H	91056
McCarthy R D	46151
	54363
McCarthy R E	50363
McCarthy V D	83505
	83506
McCarthy W O	14668
McCartney H	14890
McCartney M G	20128
	28362
	45882
	45903
	72502
McCarty C D	17321
	43705
	61469
McCarty M K	24977
	70017
	89337
McCarver O	17595
McCarver O W	34791
	34915
McCauley O D	18769
McCaulley D F	65090
	65167
McChesney E W	22763
Macchia F	776
Macchioni G	62836
	63440
McClain P	44287
McClamont J R	62307
McClanahan R J	55428
McClary C F	20225
McClaugherty F S	27637
	92043
McClean J H	50612
McClean S P	81009
	83107
McCleary J A	32889
McClellan G E	49482
McClellan R O	81085
	81289
McClelland G A H	92482
McClelland T G	36667
	54393
McClelland W B	79009
	47701
McClenaghan J	14891
McClendon J H	68843
McClintock E	15770
	43356
	60799
McCloud D E	68535
McClung A C	26288
	70586
McClung M R	54846
McClung N M	24985
	87235
McClure A D	13175
McClure F A	32810
McClure R C	36247
McClure T J	19738
McClure W F	31612
McClurkin D C	53396
McCluskey B	91584
McClymont G L	3381
	11514
	27925
McCollam M E	2305
McColloch L P	57028
	57086
McColloch R J	4163
MacCollom G B	4691
	60715
McCollum J P	69992
McCollum R	94873
McCollum W H	63154
	63155
	63174
McComb A J	9288
McComb A L	52664
	66834
McComb C W	64553
McComb E A	9289
	51526
	74927
	77814
McComb W H	90075
McCombs C L	28954
McConachie J D	46053
McConaghy S	2310
	10233
	79244
	79245
McConkey T W	2731
McConnell D G	75531
McConnell E	55294
McConnell E S	66167
McConnell H J	38989
	39441
	47791
McConnell J D	25924
	54364
McConnell L E	2811
McConnell R M	57841
McConnell W B	1376
	16063
	34269
MacConnell W P	18894
McConnen R J	23313
	31980
McCool D K	53040
McCorkindale N J	4809
McCorkle C O	30190
	74651
McCorkle S	11808
McCormack R J	666
McCormick E J	85593
McCormick F B	57629
McCormick J	58793
	69705
	76908
McCormick J A	27733
McCormick L L	33312
	52883
McCormick P	65630
McCormick P A	56887
McCormick W C	3376
McCormick W J	28989
	29000
McCormick N A	2510
McCown J	55335
McCown J T	52255
	60964
	70064
McCoy B	75321
McCoy C E	5016
McCoy D	36429
McCoy E	52622
	83799
McCoy G	75373
McCoy J H	14363
	83471
McCoy J R	94817
McCoy O	74113
McCoy O D	35122
	69982
McCoy W J	81396
McCracken E C	21890
McCracken W	7211
	22229
	75882
McCrady C P	58324
McCrady J D	46405
McCrady W B	46946
McCraine S E	11406
McCraken W	44396
McCraw W E	44938
	90312
McCray E M	5201
	81546
McCready C C	34047
McCready R M	85025
MacCreary D	12611
	81547
McCreery R A	17139
	72008
McCrindle R	1364
McCrone J D	73564
McCroskey J E	90925
McCrum R C	50498
	50543
MacCuaig R D	20588
	73091
McCuistion W R	45802
	72857
McCullan M C	3684
McCulloch C Y	61321
McCulloch M M	48536
McCulloch W F	44615
McCullough F	4524
McCullough H E	47570
McCullough M E	45501
	45502
	45503
	54192
	71677
	72033
McCully K A	11885
	11983
	84893
McCully M E	777
McCully W G	43762
	52282
McCune D C	16935
McCune D L	88495
	88503
	88505
McCune D L--Cont	88510
	88531
	88557
	88558
	88561
	88611
	88636
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	Item
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McGhee W P T	10835
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McGilliard L D--Cont	80363
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Machatschke J W	46866
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McHenry W B	17738
Machens G	17596

	Item
Macher F	2144
Macheva K T	18003
Machicado M	9064
Machicado Y	42708
Machida H	74319
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Macikowski R	17855
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	Item
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McNally J	26945
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McNish W C	91058
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McNutt S H	81272
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McPhail R W	13902
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MacPherson H T	48142
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McRoberts M R	54947
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Madhosingh C	2854
Madhya Pradesh Directorate of Economics and Statistics	14723
Madhya Pradesh Directorate of Land Records	48777
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Madras Agricultural Dept	41118
Madras Agricultural Economics Research Centre	14608
Madras Animal Husbandry Dept	27487
Madras Co-operative Central Land Mortgage Bank	14705
Madras Dept of Statistics	22697
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	Item
Madras Public Works Dept	35508
	35509
	35510
	70777
Madras Rural Development and Local Admin Dept	66942
Madras Veterinary College	90661
Madras Veterinary College Association	90662
Madrazo C M	40179
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Madziara-Borusiewicz K	46649
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Maerker G	14356
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Maes E--Cont	75322
Maesawa T	51218
Maeseneer J de	8632
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Maess W	74260
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Maevskaya A N	59613
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Maevskii A D	91875
Maevskii A G	63852
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Maeyer E M de	94808
Mafera F	23497
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Maffey J	11628
Mafteianu V	2623
Magadum V H	34552
Magakyan Yu A	80704
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Magalhaes M T	51067
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Magnes J	33577
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Magnuson M D	86692
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Magyar Tudomanyos Akademia SEE Budapest Magyar Tudomanyos Akademia	
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Maharashtra Bur of Economics and Statistics	93180
Maharashtra Dept of Agriculture	9329
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Maharashtra State Co-operative Bank	85225
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Maier-Bode H	46571
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Maillard R	32926
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Maillet P	47021
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Mailloux M	19445
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	Item
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Div of Animal Industry	63362
Div of Markets	6715
Maine Forest Commissioner	32812
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Maine Poultry Improvement Association	63363
Maine University Agricultural Extension Serv	23498
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Males L L	2438
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Malesset-Bras M	51527
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	Item
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Maletti G	65567
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Malmlof O	92988
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Malmquist W A	37387
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Man J C de	65404
Man S	44312
Man T J de	54723
Manabe T	53398
Manabe T--Cont	79356
Manabi Consorcio de Centros Agricolas	23544
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Dept de Agronomia	16998
Dept de Veterinaria	19520
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Manchester University Agricultural Economics Dept	7666
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	Item
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Manil P	74529
Manila University of the Philippines College of Veterinary Medicine	62416
Forest Products Research Institute	10965
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Manitoba Dept of Agriculture and Conservation	39094
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Co-operative Serv Br	7827
Manitoba Dept of Mines and Natural Resources	49246
Manitoba Milk Control Board	47998
Manitoba Stock Growers' Association	39947
Manjarres Castaneda O	18397
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	Item
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Marches Europeens des Fruits et Legumes	67066
Marchessault R H	6534
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Markman A L	7045
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	Item
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Maryland and Virginia Milk Producers Association	56686
Maryland Board of Natural Resources	10571
Maryland Dairy Herd Improvement Corporation	62986
Maryland Inspection Serv	39442
Maryland State Beekeepers' Association	64163
Maryland State Horticultural Society	60631
Maryland University College of Agriculture Dept of Agricultural Economics	66347
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	Item
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Masters of Foxhounds Association	3641
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	Item
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Matta E A F da	41534
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Mattocks A R	1368
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Mattos S S	5224
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Mattsson J O	59298
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Matumoto T	37934
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Matusiak K	48330
Matusiewicz E	17271

	Item
Matuszewski A	20887
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Matuszewski J	64165
Matuura H	25004
Matuyama N	77145
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Agricultural Bank	23019
Mauritius Chamber of Agriculture	7887
	15238
Mauritius Cyclone and Drought Insurance Board	49048
Mauritius Dept of Agriculture	58374
Mauritius Granary Dept	39833
Mauritius Sugar Industry Research Institute	75758
Mauritius Tobacco Board	66265
Maurizio A	29197
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Max R	93620
Max Planck Institut fur Tierzucht und Tierernahrung	79633
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Mayer-Pullmann R	80636
Mayer-Wegelin H	79372
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Mayes R L	1843
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Mayo S C	32089
Mayo Clinic Rochester Minn Committee on Dietetics	7943
Mayone B	90537
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Meadows P 85854
Meads D 70819
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Meagher J W 16718
Meagher W R 42790
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Means L L 86246
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Mears L G 23596
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Medero B 49167
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Medinets V D 14275
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Medley J G 46397
Medlock G T 76351
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	Item
Meier W--Cont	81357
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Meifert D W	55797
Meihuizen S W	30475
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Meinken K W	93977
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Melvin J F	34059
Melzer E	35833
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Melzer V	41560
Memelink J	13743
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Memery L	80368
Memolli A	71679
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Mempel S	45636
Menabde V L	43120
Menagarishvili A A	25636
Menager R	60551
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Menardias E	91369
Menasce I	4247
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Menasce L	45347
Menchaca E S	63308
Menchu E J F	93228
Mencl Z	75728
Mende G	92972
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Menden E	49731
Mendendez Rodriguez M	30827
Mendes A J T	34060
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Mendes H C	25006
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Mendes J E T	35077
Mendes L O T	38322
Mendes M	4303
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Mendez P	45619
Mendez Mena M M	63856
Mendez V M	92136
Mendez Villa M	81778
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Mendizabal M	61543
Mendonca J da C	2744
Mendoza A C de	53940
Mendoza E M	53580
Mendoza G O	27959
Mendoza V V	40398
Mendy R M	37275
Menees J H	5022
Meneghini M	24443
Menendez A	22871
Menendez Amor J	23883
Meneses N C de	9888
	35021
Menezes J B F de	52112
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Menezes Ferraz C A	43193
Menge A C	19662
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Menges R W	20112

	Item
Menghin O	54847
Mengual G L	85166
Meniado J A	36147
Menkart J	48227
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Men'kin K M	88621
Menkina R A	60041
Menlikiev M YA	41817
Menn J J	46356
Menna M E di	41290
Menne T C	35568
Mennesson A	88622
Menning E L	20041
Menninger E A	34797
Menninger E D	142
Menon K P V	4698
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Menon M N	15239
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Menon P K B	27198
Menon P P V	4688
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Menon R	344
	345
Menon V S	49176
Menoret Y	52259
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Menpiot R	40146
Menrath H E	34798
Menschel E	93877
Mensching H	78849
Mensing F	84574
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Menzel K	57576
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Menzi M--Cont	80707
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Menzies I G	89942
Menzies J D	8448
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Meono C J	65314
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Mer C L	42723
Mer G G	28855
Mer I I	18503
Merat C	65104
Mercado A C	50370
Mercado B T	51205
Mercer E A	81237
Mercer F V	1029
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Mercer P F	37237
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Merck J K	48162
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Mercker A E	48305
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Merculiev O	78850
Mercuri A J	48850
Mercz A	39178
Merdivenci A	4532
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Mere R	5477
Mere R M	5478
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Meredith W O S	39179
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Mereminskii A I	27833
Merendi A	2660
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Meresta L	45292
Merewether J W T	36064
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Merey K T	94927
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Merhlich F P	47793
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Mericle R B	31456
Mericle R P	68483
Merihein A	20896
Merilan C P	3088
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Merino M G	63936
Merino Eugerdiose E	45773
Merino Stud Breeders' Association of South Africa	4055
Merinov V A	55354
Merinova G L	59781
Merk W	19743
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Merkl M E	12484
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Merkl M E--Cont	73221
	73238
Merkotan V F	19876
Merkur'eva E K	27555
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Merlescu E	78959
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Merlo S	42135
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Merola G V	48226
Merrall J	11632
Merrell H G	67276
Merrett M J	50501
Merrett P	4939
Merriam B A	92269
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Merriam W B	39619
Merrick G D	44985
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Merritt R H	22432
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Merrow S B	30945
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Mersereau H E	61545
Mersereau H S	79497
Mershin A P	2211
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Mersseman W	93277
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Mertz D	16822
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Mertz D B	12830
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Merwine N C	17187
Merxmuller H	41428
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Merzhanian A A	30390
Merzlyakov V	4056
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Mesa A	82836
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Mesanza Ruiz de Salas B de	10758
Mesaros J	72648
Mesarosh B	28306
Mesavage C	35569
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Mesch J	69387
Meschia A	76859
Meschtscherjakow A B	23527
Mese M	47303
Mesecher G E	31746
Meserve K K	69852
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Mesghali A	12886
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Meshchenko V M	61152
Meshcherov E T	43628
Meshcheryakov A Ya	27398
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Meshcheryakov D P	70745
Meshkallo V M	19114
Meshkov N V	3511
Meshkova A M	47254
Mesinger F	78298
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Mesko J	44632
Mesley R J	40183
	48927

	Item
Mesley R J--Cont	57545
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Mesmer E T	83177
Mesnard P	22700
Mesnil L P	38212
Messer J	56652
Messeri A	61731
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Messerli W	19877
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Messiaen C M	24290
Messikommer E	58761
Messina B	13547
Messines J	65266
Messing J H L	42916
Messmer E	53118
Messner H	79977
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Metcalf C L	91974
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Metcalf J W	55365
Metcalf L	52976
Metcalf L J	8176
Metcalf R L	4393
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Metcalf Z P	5246
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Metcalfe C B	2482
Metcalfe C R	50750
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Metcalfe D R	17048
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Metcalfe D S	34358
Metchkouev A	93024
Metelev V	60552
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Metelev V Ya	25461
Meteleva R I	11802
Metelkin A I	11862
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Metel'skii V	34359
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Metel'tseva E P	15638
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Metheny N Y	58326
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Meti T K	44426
Metlitskii L V	16823
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Metzner H	29128
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Metzner P	16825
Metzner R	17379
Meulemeester D de	13977
Meulenberg M T G	57441
Meunier J	36192
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Meunier J L	20244
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Meurer D de M	7582
Meurs G J van	15475
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Meursing E H	75560
Meusel H	86403
Meuszynski S	20513
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Mewissen D J	68873
Mexico City Instituto para el Mejoramiento de la Produccion de Azucar Serv de Extension Agricola	7781
Mexico Direccion de Estradistica y Estudios Economicos	10393
Mexico Direccion de Proteccion y Repoblacion Forestales	27175
Mexico Direccion General de Estadistica	49609
Mexico Instituto Mexicano del Cafe	21959
Mexico Secretaria de Agricultura y Ganaderia	67155
Mey G J W van der	36413
Meyboom B	75804
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Meyer R K--Cont	91531
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Meyer-Bahlburg W	43629
Meyer-Taplick T	5129
Meyer zu Bentrup F W	24908
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Meynell G G	67164
Meyner R B	2483
Meynier S de	56584
Meys M Q van der	51283
Meyus H	37543
Mez E	16826
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Mezenev N P	37592
Mezger E G	28897
Mezhenin I S	43916
Mezhvinskaya E A	61152
Mezin A F	58864
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	Item
Mezogazdasagi es Elelmiszeripari Tudomanyos Egyesulet Husipari Szakosztaly	65980
Mezosi B	70865
Mezzetti A	8373
	33266
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Michael D T	37252
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Michael G A	6007
Michael M	60299
Michaelides R	4694
Michaelis A	87455
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Michaelsen L C	18433
Michailjuk T	85282
Michajlovskij N	3377
Michajlow W	71801
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Michajluk L	78368
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Michalak-Starzyk J	93229
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Michalko J	143
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Michaux P	16828
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Michelis I de	40845
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Michelsen B	67870
Michelsen E	20514
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Mickelsen R	74856
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Michener H D	5932
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Micherdzinski W	82173
Michev B	41
Michielin P A	88535
Michigan Academy of Science Arts and Letters	15504
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Michigan Artificial Breeders Cooperative	11430
Michigan Association of Farmer Co-operatives	76488
Michigan Dept of Agriculture	13584
Michigan Dept of Conservation Forestry Div	24151
Michigan Forestry and Park Association	2785
	61689
Michigan State Employment Serv	85297
Employment Serv Div	
Michigan State Grange	40895
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Michigan State University of Agriculture and Applied Science	92682
Agricultural Economic Dept	75213
Institute for Community Development and Serv	66840
Michigan Water Resources Commission	70784
Michna A	11517
Michniewicz M	34063
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Michon G	53944
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Michot P	58170
Miciano R J	19332
Micke A	25446
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Mickel J T	86525
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Mickelsen O	6008
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Mickelsen R	13744
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Mickelson R H	2051
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Mickwitz G von	20515
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Miclaus V	70166
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Miculka B	88908
Miczulski B	81678
Miczynska Z	67721
Middaugh W S	31852
Middelboe V	86266
Middleburg H A	89515
Middlekauff W W	55741
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Middlesex Soil Conservation District	53042
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Middleton K R	78664
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Midwest Farm Papers	66383
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Miedzobrodzki K	81862
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Mierzejewska W	4638
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Mierzejewski T	51208
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Mihalache L	53043
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Mihalka T	28442
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Mikailov M A	42398
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Mikecz I	13288
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	Item
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Mikeladze R M	59303
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Mikhailovskaya I S	59521
Mikhailyuk I B	20853
Mikhailyuk I V	60722
Mikhalev V	72537
Mikhalina V A	72195
Mikhal'tsov K P	27802
Mikheev G D	91660
Mikheev K P	36090
Mikheeva A V	42724
Mikheeva R I	86856
Mikhnovskii V K	52571
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Mikhovich A I	79246
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Miki-Hirosige H	77472
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Mikolenko Ya F	94413
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Mikulka J	76734
Mikulovich T P	59511
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Mikulska I	82176
Mikyska R	76863
Miladinovic N	26371
Miladinovic Z	89897
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Milan F M	57790
Milan Associazione Cotoniera Italiana	22237
Milan Associazione Granaria	48543
Milanese G	74495
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Milani R	4395
Milanov B	88909
Milart Z	45834
Milas B	71109
Milatovic I	24291
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Milbradt H	84698
Milbrath J A	34644
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Mil'chin M	25832
Milchwirtschafts-fond	14948
Mildner E	25815
Mildner T	9957
Milella A	33686
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Milenkovic M	11293
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Miler Z	19123
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Mileshko Z F	24825
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Miletic S	71239
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Milewski E	65966
Milewski J	25983
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Milhau J	57633
Milhaud C	74828
Milic D	91072
Milicevic D P	63045
Milicic D	16139
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Milin Z	10641
Milinkovic V	69509
Milisavljevic D	83669
Milk Industry Foundation	65549
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Milkman R D	55806
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Mil'ko E S	68878
Mil'kov F N	59304
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Milkowski K	94012
Millak K	79845
Millar A A	53786
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Millar E	60115
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Miller A T	27176
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Miller C W	59523
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	Item
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Millett R S	27043
Milletti R	21726
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Millowners' Association	84077
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Milovanov V K	11148
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Milovidova T G	53066
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Milsop W D	23569
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Milstead K L	67128
Milster H	39527
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Milthers A	49815
Milthorpe E J	68870
Milthorpe F L	33533
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Milton R L	3282
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Milyavskii I	85616
Milyutin A A	6734
Milyutina L	56794
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Min C W	26491
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Minaeva V G	68884
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Minakov K L	36173
Minakov P S	7425
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Minasyan R O	80004
Minasyan S M	42727
Minchenkova M D	34522
Minchev I	72617
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Minchev P	3158
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Minderman G	26119
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Mindrum N C	49533
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	Item
Minev P	91662
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Mineva T	39382
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Mingazov T	27804
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Minghetti A	9224
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Mings J L	25372
Minin A N	36109
Minin I A	1158
Minina E G	87323
Mininzon V I	92931
Minion G D	46469
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Minkema D	91774
Minkevich I A	88387
Minkevich I I	59015
Minkley M	47434
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Min'kov B P	52355
Minkov I	89187
Minkov P	65310
Minneapolis Grain Exchange	65900
Minneman P G	6145
Minnesota	15505
Minnesota	86117
Academy of Science	
Minnesota Crop Improvement Association	31522
Minnesota Dept of Agriculture	6423
	22399
Div of Plant Industry	81418
Section of Feed and Fertilizer Control	10490
Minnesota Dept of Conservation Div of Forestry	26699
Minnesota State-Federal Crop and Livestock Reporting Serv	47826
	65267
	93181
Minnesota State Grange	32246
	85913
Minnesota University Hormel Institute	86268
Minney J N	6273
Minnigerode H von	26655
Minnigerode T von	26655
Minninger E	52606
Minnum E C	58872
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Mino G	48212
Mino K	93315
Minoccheri F	19526
Minoiu N	50262
Minor B	30916
Minor C O	44688
Minoshima M	25323
Minoura Y	22789
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Minshall N E	18504
Minshall W H	77561
Minsk Belaruskaya Akademiya Navuk Nauchnoissledovatel'skii Institut Mekhanizatsii i Elektrifikatsii Sel'skogo Khozyaistva	64790
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Minssen E	81680
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Minter D J	34955
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Mir R M	25984
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Mira J A G de	72920
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Mira Tur F M	46294
Miracle M P	85167
Mirakhmedov S M	50395
Miramont H	11519
Miranda F	41431
Miranda O de	31263
Miranda V H B de	44231
Miranda de Onis J	17253
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Miranda Entrenas S	55101
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Miranda Jaimes O	86858
Miranda M H	60048
Mirashi M V	24032
Miravalle R J	51718
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Mircevova L	63478
Mirchamsy H	80639
Mirchandani P M	77959
Mirchandani T K	19115
Mirchev S	89491
Mirchink T G	44027
Mire B de	76909
Mire P B de	73631
Mirianashvili E I	59524
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Mirimanyan V A	87436
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Mirkin S L	78852
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Mironenko M	6308
Mironescu I	46785
Mironov A K	14580
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Miroshnichenko V E	2367
Mirov N T	24001
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Miroshnik A P	94072
Miroslavov E A	87238
Mirowski Z	26604
Mirpulatova N S	67871
Mirrakhimova M	59782
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Mirsagatov A N	51902
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Mirzaev M M	51901
Mirzakarimov R M	42894
Mirzalieva N N	56950
Mirzashvili V I	90113
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Mirzhanov M A	2212
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Mirzoev N V	41316
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Mischi G M	84575
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Miskimen G W	38131
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Missao Permanente de Estudo e Combate da Doenca do Sono e Outras Endemias na Guine Portuguesa	66945
Missbach K	71321
Missingham L J	68888
Mission to Uganda	66557
Mississippi Agricultural and Industrial Board	31679
Mississippi Dept of Agriculture	18608
Mississippi Industrial and Technological Research Commission	15386
Mississippi State Plant Board	33100
Mississippi Valley Oilseed Processors Association	57335
Missler	37129
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Missouri Botanical Garden	58528
Missouri Dept of Agriculture	13585
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	84974
Grain Warehouse Div	22505
Missouri Grain and Feed Association	75326
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Missouri Poultry Improvement Association	54849

	Item
Missouri University	46011
Misterski W	88624
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Mitri T K	82894
Mitrofanov P I	64005
Mitrofanov V A	78596
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Mitrani L	30652
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Mitrivic M	46012
Mitrofanov V G	28940
Mitrofanov V N	6325
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Mitroiu P	36905
Mitropoulos K A	74698
Mitrovic M	20245
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Mitscherlich G	44765
Mitsik G E	17900
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Mitsui T	16600
Mitsuishi S	77355
Mitsumata M	9491
Mitsumoto T	20130
Mittaine J	93417
Mittal O P	46797
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Mittal S P	42266
Mittal T C	16357
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Mittelstaedt H	37983
Mittelstenscheid L	8819
Mittempergher L	77389
Mitten H L	65530
Mittendorf H J	84589
Mitterndorfer W	82756
Mitterer J	64890
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Mitterling L A	33099
Mitterpak J	11635
Mittler A	48408
Mittler T E	4641
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Mitu M	51948
Mityushkin T S	7616
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Mitzutani Y	78319
Miu T S	39761
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Miura A	55545
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Miura H	84356
Miura K	38714
Miura S	28330
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Miura S--Cont	91882
	91887
Miura T	91693
Miura Y	14057
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Miwa T K	22701
	84820
Mix L S	3605
Mix M	8720
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Mixner J P	36677
	36678
Mixon J E	53457
Miya K	37935
Miyachi S	25221
Miyajima H	79326
Miyajima T	31573
Miyake M	9068
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Miyake T	21298
Miyamae T	28330
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Miyao K	42968
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Miyao T	82757
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Miyata H	15760
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Miyata K	31552
Miyata Y	91218
Miyatake M	29384
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Miyazaki N	59871
Miyazaki R	49211
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Mizgier-Jeziorek L	74532
Mizoguti T	18846
Mizukami T	33357
Mizuma Y	54797
Mizuno I	7078
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Mizuno K	82308
Mizuno S	25011
Mizuno T	77801
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Mizuno W G	48039
Mizuno Y	45113
Mizunoe M	26534
Mizunuma K	28310
Mizushima M	9270
Mizushima U	25335
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Mizuta T	84356
Mizutani M	76997
Mizutani T	12355
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Mizutani Y	78299
Mizzi L	14894
Mkrtchyan L A	83156
Mkrtchyan R S	88389
Mkrtumyan V	5711
Mladenov S	37862
Mladenov Z	11965
Mladenovic N	91072
Mladenovic Z	81029
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Mlesnita L	35068
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Mlesnita V	76272
Mlinac F	3159
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Mlinsek D	42138
Mlodzianowski F	8757
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Mlyniec W	63772
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Mnatsakanyan A A	81278
Mndzhoyan E L	30393
Mniszech J	70925
Moa Farmers' Co-operative Dairy Co	74785
Moati P	94675
Moats R H	48733

	Item
Moats S A	86404
Moats W A	6231
	74727
Moatti P	78853
Moav R	904
	905
Mobbs E C	2557
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Mobbs J A	25587
Moberg H A	56059
Moberg P E	41189
Moberg R	27556
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Mobius G	91937
Mobley H	10838
Mocanu I	20521
Mocanu V	24167
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Mocanu V V	444
Mochalov I P	18505
Mochalov V	17380
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Mochalova A D	33986
Mochnacka I	29701
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Mochul'skii S K	17067
Mochnacs M	91644
Mockford E L	5631
Mockler A J	15330
Mocquot G	65501
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Mocsy J	71805
Moczar L	37876
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Moczynski K	47634
Mod R R	40065
Modak K V	31493
Mode C J	445
	33267
Mode S	34799
Model' Kh M	92485
Modena A	39620
Modern Veterinary Practice	3512
	11295
	28017
	28018
	36906
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Modest F	48544
Modgal S C	18327
Modi J R	30826
Modi L N	22873
Modi V V	14062
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Modic D	25620
Modica G di	34299
Modina S A	61084
Modlibowska I	1160
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Modoran I	42732
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Modrzejewski K	45072
Modugno Pettinari C	77148
Modun E	22703
Mody J R	13975
Modyanov A V	54199
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Modzhevskii K	79559
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Moe J	11016
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Moeller R A	4785
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Moffett B W	40313
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Mogilevkin V B	1388
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Moglewer S	85557
Mogoryanu I	72783
Moh C C	42267
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Mohacsi I	69575
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Mohanasundarum M	64486
Mohanty A P	2873
Mohanty S B	62846
Mohanty S G	15617
Mohelska H	8736
Mohino Sanchez A	91529
Mohinudeen S S	37679
Mohlenbrock R H	75
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Mohler H	74421
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Mohnot K	24667
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Mohrmann H L	48250
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Moikin E P	31769
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Moiseev O N	81292
Moiseev P P	15149
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Mole-Bajer J	42177
Molen H van der	2314
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Molenaar A	44404
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	Item
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Moleterni F	15005
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Moller-Sorensen A	54375
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Mollerstrom G	29007
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Mollett J A	22987
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Molloy F M	37481
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Molnar B	1878
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Molof J J	18506
Molokoedova L F	68894
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Molotkov P I	62236
Molotkovskii G Kh	34072
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Molotkovskii Yu G	34301
Molotkovs'kyi H Kh	68895
Molotkovsky U G	60101
Molotov Region Upravlenie Sel'skogo Khozyaistva	5769
Molteni G	27402
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Moltke C	58416
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Molyneux G S	4140
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Momberg S M	54117
Momirovic K	41051
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Momuro Y	77239
Monacelli R	6198
Monachino J	76965
Monaco T J	52335
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Monard C	68438
Monastero S	92166
Monatshefte fur Veterinar-medizin	79847
Moncada R F	6538
Moncada Rodriguez F	84081
Monchenko V I	62425
Moncol D J	48000
Moncrieff R W	6539
Monda V	80854
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Mondain-Monval-Gerondeau M	87908
Mondaini M	49168
Mondart C L	9305
Mondino E G	57369
Mondino G P	33535
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Mondonedo M	63565
Mondzelevskii V P	14611
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	84836
Moneghini A	54376
Monego C J	65582
Moneim F M A	68247
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Moner J G	33687
Monesiglio J C	72191
Money S P	25833
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Monge F	77634
Monge S F	8833
Mongineot C	9122
Monheim F	15658
Monhemius L	44405
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Monier F	59121
Moniez R	16913
Monin A	25621
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Moniz L	86978
Monjardino R	44506
Monjauze A	94587
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Monnerie M	48970
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Monnier G	61051
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Monnier J	54446
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Monreal K	34074
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Monselise S P	33999
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Monsesiglio J C	57288
Monsi M	34093
Montag A	74423
Montagnac P	15773
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Montagne R	57633
Montagner H	37880
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Montaldi E R	60057
	60058
Montaldo P	35514
Montana Academy of Sciences	76668
Montana Livestock Sanitary Board	11296
Montana Bacillary Hemoglobinuria Study Committee	80377
Montana State Board of Hail Insurance	66432
Montana State Soil and Water Conservation Needs Committee	61611
Montanari A	4266
Montanari T	6424
Montanari V	7617
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Montandon A L	55863
Montaner Esteve J	30917
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Montano G H	40066
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Monteiro G V S	76036
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Montemagno F	3514
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Montemayor L de	49952
Montemurro N	3514
Montemurro O	72279
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Montemurro O-- Cont	73011
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Montenegro M E	78490
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Monterrey Instituto Tecnologico y de Estudios Superiores	86269
Montes A L	22705
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Montes Ortega M	30918
Montesinos Gallego R	44019
Montessori T	9889
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Monteya L G	85715
Montezemolo M C di	18691
Montfavet Station de Recherche Agronomique	61406
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Montgomerie R F	90668
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Montgomery R I	45778
Montgomery V E	13431
Montgremier A de	567
Monti F	80378
Monticelli F	88625
Montie T C	51223
	51224
Montiel P	75674
Montironi R A	60667
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Montmorency W H de	71522
Montomura Y	20974
Montoschi D	14041
Montoure J E	3446
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Montoya A J	91637
Montoya E	26095
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Montoya L A	34075

	Item
Montoya L A -- Cont	60059
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Montserin B G	41839
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Monturiol F	89566
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Mook J H	47105
Mookerjea D	26493
Mookerjee A L	37699
Mookherjee B D	75517
Moolani M K	77636
Moomaw I W	58172
Moomaw J C	17311
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Moon W E	16680
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Moor H de	65473
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Moral-Lopez P	94554
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Moreno N M	89438
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	Item
Moreno de Guerra y Perez A	65129
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Morioka Japan Tohoku National Agricultural Experiment Station	93462
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	Item
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Moscow Ekonomiko-Statisticheskii Institut	76812
Moscow Glavnyi Botanicheskii Sad	9740
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Moscow Godudarstvennaya Biblioteka SSSR im V I Lenina	94850
Moscow Nauchno-Issledovatel'skii Ekonomicheskii Institut	40263
Moscow Nauchno Issledovatel'skii Finansovyi Institut	66384
Moscow Universitet Kafedra Istorii KPSS	49251
Mosebrook H S	18649
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	Item
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Reparticao de Estatistica Geral	13588
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	Item
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Muller-Feuga R	26407
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Bayerische Landesanstalt für Landkultur und Moorwirtschaft	
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Munich Technische Hochschule	66946
Munich Wissenschaftliche Station fur Brauerei	83674
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	Item
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	Item
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Muzyukin V S	90032
Muzzi S	18937
	44574
Mwaluko E P	83310
Myakina N B	70475
Myakinin B A	2558
Myakushko Yu P	51783
Myalo E G	59305
Myatt O W D	38747
Mybrea P J	3381
Myburgh A C	20834
	20835
	21412
	29086
	81783
Myburgh P E	4057
Myczkowski S	33536
	86344
Mydlarcik S	36418
Myer E H	40346
Myers C A	18812
	44690
	90093
Myers C M	29487
Myers D J	9496
	54202
	93463
Myers F E	8331
Myers F W	30725
Myers G E	65633
Myers H E	40850
Myers H M	64171
Myers J	51232
	51538
Myers J M	17006
	17904
Myers J W	10573
	44616
	44635
Myers K	80944
Myers L	32390
	67069
	94059
	94345
Myers L E	18507
	26498
Myers M	7402
	58269
Myers O	10491
Myers P	37334
Myers S	3520
Myers V I	26499
	26530
	61626
	78505
Myers W F	55710
Myers W I	47766
Myers W L	79854
Myers W M	901
	42402
Mygind H	8498
Myhr E	16838
Myhr K	61409
Myhre D V	83965
Myint Aung	53724
Mykhovych A I	17905
Myles G A	30743
Mylius K	70950
Myllymäki A	41665
Myloserdova V D	73526
Mylrea P J	3286
	45643
	80058
Myl'tsev V P	93923
Mynors D R B	13979
	13980
	13981
	22241
	56890
Myodo H	51233
Myraker L E	13863
Myrdal G R	55198
Myre M	34421
	42141
Myrick D C	14822
Myrick N	56607
	74764
Myrstad A	42743
Mysen Haga Jordbruksskole	49488
Myser W C	29532
Myskow W	44031
	78441
Myslicka Z	75799
Myslivec V	49762
Mysore Planning Housing and Social Welfare Dept	85417
Myssakowska-Paleolog B	68829
Myttenaere C O	34085
	68978
Myznikova S L	13652
Mzungu T	85674
Naaber L Kh	16839
	60267
Naaldwijk Proefstation voor de Groentenen Fruitteelt Onder Glas	25836
Nabar G M	6478
Nabatov N M	90221
Nabatyan M P	29913
Naber E C	4588
	11907
	14557
	22131
	45903
	75644
Nabeta H	2830
	2893
Nabibekov K	67723
Nabiev M N	89950
Nabiev T N	5702
Nabikhodzhaev S S	16043
Nabniyev M N	35368
Nacamuli S	31856
	38625
	56247
	76490
Nachev B	11638
	72199
	80855
	91532
Nachev N	7434
Nachmony S	208
Nachtigall M	21020
Nachtigall W	29389
	82476
Nachtwey R	55901
Nadal R A	20163
	20547
Nadarajah M	22786
	31495
	67827
Nadazdin M	58874
Naddih B I	2420
Nadeau J C	70236
Nadeau J D	27272
Nadeau L	8229
Nadel D	92167
Nadel'son E O	93514
Nadezhdina M V	59548
Nadezhina T P	68322
	68323
Nadig A	38543
	82838
Nadkarni R V	7391
Nador J	67224
Nadtke K	92840
Nadtochii V K	19083
Nadvornik J	24094
Nadzhafov Sh G	71144
	90156
Naedzhdin B V	78483
Naef E	67724
Naegele J A	46607
Naerland G	37255
Naf U	50882
	77640
Naffrechoux Y	57763
Naffziger C A	83423
Nag Raj T P	60240
Nagabhushanam S	26320
Nagahara T	77724
	84208
	84489
Nagahori K	26039
Nagai I	86864
Nagai M	76632
	77641
	78000
Nagai N	715
Nagai S	69223
Nagai T	42273
	52489
	78348
	78370
Nagai Y	9296
	48631
Nagaich B B	55206
	77247
	87091
Nagamatsu T	34086
	34087
	87441
Nagano S	35817
Nagano T	28703
Nagano Y	17485
Nagao C	24082
Nagao M	76891
Nagao S	24732
	50883
	50884
	68490
Nagar B R	78371
Nagaraj A N	16140
	20745
	55207
Nagarajan C	8838
	25402
Nagarajan G R	16939
	60342
Nagarajan M	790
Nagarathna V	40208
Nagarathnam A K	87348
Nagasaki A	61589
Nagasawa K	16840
Nagasawa M	26500
Nagasawa S	6829
	14002
Nagasawa S--Cont	63751
	81419
	83357
Nagasawa T	14063
Nagashima E	12714
Nagashima E	82017
Nagata T	37937
	37938
	61410
	61411
	61552
	78506
Nagato K	24617
Nagatomi A	29453
	29454
	92445
Nagatomo A	16840
Nagel C M	1503
Nagel V	19881
Nagel W	31248
Nageotte G J	48081
	56713
Naghiu V	69395
Naghski	40006
Naghski J	7006
Nagi F	62940
Nagibin Ya D	9079
	51234
	59719
Nagiev G	69670
Nagiev G M	12412
Nagiev K	71114
Nagiev R	72034
Nagiev T	69301
Nagiev T K	18329
Nagington J	12143
	80381
Nagirnyak P	88627
Nagl F	43273
Nagl W	87442
Nagle A	2445
Nagler J	22917
Nagorna-Stasiak B	80945
Nagornyi N I	51984
Nagorskaya M D	42744
Nagoya Eirinkyoku	90046
Naguib F	82213
Naguib K	33203
	65227
Nagy B	64665
	73225
	73226
Nagy E	86345
Nagy Gy	75238
	75239
Nagy Gy J	52820
Nagy I	80977
Nagy J	39051
Nagy K	48213
	75010
Nagy L	1599
	7618
	47550
	51623
	52709

	Item
Nagy L--Cont	73053
	76171
	85055
Nagy L Sz	60723
Nagy M	60415
	60939
Nagy V	71567
Nagy Z	43212
	70602
	89862
Nagy Mrs Z	45508
Naha P M	77151
Nahm P P	76355
Nahmias A J	80280
Nai D D	49817
	54381
	80382
	80383
Naidanov A	55036
Naidenov A	41
Naidenov L N	42745
	51235
Naidenova I N	60729
Naidenova M A	54203
Naidin P G	18330
	18331
Naidu B A	25018
	25339
	78219
Naidu G V B	9080
	9960
	70142
Naidu I J	85432
Naidu K M	33934
Naidu M B	4437
	5572
Naik K C	15245
	15246
	15247
	15248
	15249
	15250
	15251
	15252
	15253
Naim Z	42958
Naimanov I L	63498
Naimark L B	23283
Naimushina L E	20398
Nair A G R	16940
	34306
	60343
	69224
	77805
Nair C K B	94314
Nair C P	4539
	55311
	92030
Nair G G	908
Nair J H	47794
	56483
	65183
	93154
Nair K G C	40332
Nair K K	17620
Nair K N R	37731
Nair K P N	30242
Nair K R	3006
Nair M R	22950
Nair N	58375
Nair N B	19182
Nair N C	8761
	33691
	41335
	42274
	50058
	59533
Nair N G K	66443
Nair N R	43128
	68905
Nair P K K	42275
	59534
	87329
Nair R B	6146
	13653
	39186
Nair V K	90964
Nairn J	84490
Nairn L D	64097
	81897
Nairn M	63468
Naito A	12489
	13018
	13019
Naito H	77587
	84491
Naito K I	73474
Naito N	1394
	67929
	77391
Najarian H H	82178
Najjar A E	20635
Najmr S	18620
Naka J	69087
Naka K I	55612
Nakabayashi M	28399
Nakae T	74729
	83777
Nakagawa	2830
Nakagawa H	2226
	2893
	68491
	69967
Nakagawa K	44406
	61549
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	89860
Nakagawa M	12355
	28330
Nakagawa S	19187
	24918
	68718
Nakagawa Y	32501
Nakahama T	74983
Nakahara J	4766
Nakahara W	29802
	56036
Nakahiro Y	71681
Nakahiro Y	72542
	80153
	80154
Nakajima C	49253
Nakajima G	42403
	68492
	87443
Nakajima H	72419
	80645
	88193
Nakajima I	35712
Nakajima M	32829
	64098
	88158
	90726
Nakajima T	23284
Nakajima Y	53204
	53308
Nakajma I	2626
Nakajo S	63336
Nakamichi M	27107
Nakamigawa K	60067
Nakamoto T	88043
Nakamura C	78947
Nakamura E	42746
	68906
Nakamura G	53695
Nakamura G I	2894
Nakamura H	23616
	25132
Nakamura K	12048
	35677
	37913
	38984
	80946
Nakamura M	26501
	73517
Nakamura M T	78372
Nakamura N	59720
Nakamura R	75215
Nakamura S	2598
	20989
	82311
Nakamura T	42685
	42991
	60068
	75011
	84492
	88194
Nakamura W	48563
Nakane T	12833
	12834
Nakanishi T	56668
	74729
	74747
	83777
Nakanishi Y H	21464
Nakano F	39162
Nakano H	2775
	85103
Nakano J	45130
Nakano K	12490
	38984
	87686
	90398
Nakao O	84082
Nakao S	34412
Nakao S I	92169
	92170
Nakao Y	21220
Nakarai Y	19245
Nakasato T	77806
Nakashima S	26897
Nakashima T	4776
	17947
Nakasone H Y	34233
Nakata G	53405
Nakata H	9270
	9271
Nakata I	35666
	35888
Nakata M	81682
Nakata S	29087
	37965
Nakatani Y	91533
Nakato K	90482
Nakatsugawa T	55180
Nakatsuka T	90435
Nakayama A	33071
	42404
Nakayama E	7081
Nakayama F S	89516
Nakayama M	42871
	69990
Nakayama S	40593
	51236
	88287
Nakayama T	40041
	88004
Nakayama T O M	51430
	69148
Nakayama Y	69221
Nakazato H	75012
Nakazawa S	33692
	50757
Nakazawa Y	40041
Nakhutsrishvili G Sh	43274
	59306
Nakhutsrishvili I G	287
Nakladal J	36510
	62298
Nakonieczny S	26170
Nakozin V	91661
Nalbandov A V	20248
	20249
	48607
Nalbandyan A D	26118
	44026
Nalborczyk E	34255
	34307
Naletov A V	55104
Nalewaja J D	51792
Nalivaiko G	15007
	32603
	51604
	60381
	69302
	76801
Nalivaiko G A	51605
	69303
	88395
Nall A F B	75013
Nall F C	49425
Namba R	55434
Namba S	19065
Nambiar C K B	30732
	52668
Nambiar K K N	33272
Nambiar M C	831
Nambiar P K V	17849
	89429
Nambu S	26502
	74083
Namikawa K	30014
	80454
Namioka H	61153
Namioka S	11300
	79855
Namken L N	10365
	16841
Nanal S Y	75014
	84083
Nanasawa N	53553
Nanavati M B	49034
Nance G B	47827
Nance J F	68867
Nance R D	78336
Nanchev I	91662
Nanda B S	27827
	27828
Nanda J S	34450
Nanda K K	42747
	51237
	68907
	77642
Nangniot P	13444
	22325
	65091
Nani S	54367
	54382
	54387
	91078
Nanjo Y	24918
	68718
Nank W K	47800
	47801
Nannenga-Bremekamp N E	67623
	67624
Nannestad L	8499
Nansubuga G	49668
Nantz E	38598
	65108
Naphan E A	8661
Napier J Y	4816
Napier R A N	37145
Naplekova N N	70370
Napoles V M	8440
Napoli T	43917
Napp M	12906
Napp-Zinn K	25019
	51238
	59721
Naprstek J	73054
Naqvi A I	93830
Naqvi S	93132
Naqvi S I H	7435
Narahara W	44409
Narahari M	21961
Narahari P	43129
Narahashi T	55208
	55209
Narain B	32149
Narain N	29763
Narain R K J P	8762

	Item
Narainappa B	66674
Narang D R	22878
Narasaki T	14476
Narasimhachari N	19328
	71541
Narasimhamurthy K	26302
Narasimhan K S	39186
Narasimhan V	79591
Narasimhaswamy R L	16044
	21961
	25986
	33272
	52264
Narasimiah B	17189
Narayan N L	81138
Narayan S	4058
Narayana D L	49170
Narayana H S	87330
	87331
Narayana N	18360
	42762
Narayana T V	15617
Narayana V V D	53057
Narayanamurti D	2895
	14651
	19310
	35962
	37812
	39531
	44986
	45117
	62192
	71568
	71569
	90483
Narayanan E S	4817
	37483
	38049
	38327
	38396
	47107
Narayanan K R	33691
Narayanan R	90484
Narayanan S S	26303
Narayanarao M	32482
	67133
Narayanaswamy P	33401
Narayanaswamy P S	12513
	46591
Narayanaswamy S	23617
Narbaitz R	36925
Narbel-Hofstetter M	5490
	21413
Narbut K	22624
	40678
Narbutt E	53952
Narchuk E P	92460
Nardelli L	11301
	36729
	54027
Nardi E	3688
	4540
	80221
Nardina N S	87831
Nardon P	64361
Nardone A	23826
Narezhnii S G	40291
Nari J	9121
Nariani T K	569
	570
Narimanbeili N	69579
Narimanov A	60696
Narinyan S G	86346
Narise T	919
Narita R	37935
Narizhnyak V A	27273
Narkiewicz-Jodko J	46475
	73258
	92096
	92097
	92098
	92130
	92131
Narotsky S	45956
Naroyan A K	87832
Narr K J	54067
	54575
Narsiya M	27274
Narskii S V	11802
	36771
Narvaez F de	80540
Naryshkin M A	61835
	61836
Narzikulov M N	29546
	55864
	73753
Narzullaev F	54859
Näsänen R	3385
Nascimento A C	35261
Nash A R	84849
Nash C A M	19046
Nash E F	33948
	76037
Nash M J	5795
	11179
	45211
Nash R	48546
Nash R A	63025
Nasholm L	36481
Nasibullina F K	62427
Nasir M M R	80025
Nasir S M	48929
Naskar G C	52379
Nason M C	26638
Nasonov V	74152
Nasonova O M	42142
Nasr A N	92099
Nasr H	11639
Nasr T A A	842
Nasretdinov Z	23285
el Nasri M	71808
Nassal J	3163
	19882
	54799
	79856
Nassef el A	44410
Nassr 'A A	12491
	12577
	12578
	12579
Nassr 'A A--Cont	12580
	12652
	86347
Nastase O	22814
	25837
	56948
Nastasovic L	69373
Nastenko K A	4269
Nastenko P	82974
Nastor M N	90094
Nasyrov A	69478
	69479
Nasyrov Yu S	42748
	60069
Natal University Wattle Research Institute	18650
	89990
Natali S	88931
Natal'in N B	9081
	34422
Nataraj L	74962
Natarajan A M	74875
	93372
Natarajan A T	33693
	42749
	50885
Natarajan B V	8839
Natarajan C P	6146
	13653
	39186
	39211
	56561
	65319
	65341
	83659
Natarajan K V	59655
Natarajan R	22160
Nath B	22718
	26503
Nath G	31184
Nath J	8763
	24618
	24733
	25020
	59535
	87332
Nath M C	14228
	32463
	69172
Nath P	34920
	88264
Nath R L	22334
	42992
	51539
Nath Y	25226
Nathan D O	75171
Nathanael W R N	14171
	31041
Nation H A	70073
Nation H J	5906
	5907
	38702
	38864
	56084
Nation J L	4890
	37985
Nationaal Instituut voor Brouwgerst Mout en Bier	56562
National Academy of Sciences	7989
	58376
Botany Sect	58531
National Agricultural Chemicals Association	7990
	7991
	23735
National Agricultural Credit Conference	31719
National Association of Agricultural Contractors	83966
National Association of Artificial Breeders	3287
National Association of Marketing Officials	38952
National Association of Mutual Insurance Co	40347
National Association of Poultry Packers	84895
	84896
National Association of Refrigerated Warehouses	39063
National Association of State Dept of Agriculture	86118
National Association of Wool Manufacturers	13982
	93506
National Auricula and Primula Society Northern Sect	69854
	69855
National Board of Fur Farm Organizations	3734
National Bur of Economic Research	75832
National Canners Association	21891
	39064
	83556
National Chinchilla Breeder	28081
National Chinchilla Breeders of America	20057
	39895
National Christmas Tree Growers' Association	79592
National Chrysanthemum Society	9741
	9742
	43530
National Churken Association	80700
National Conference on Fruit and Vegetable Bargaining Cooperatives	6672
National Conference on Handling Perishable Agricultural Commodities	83424
	83425
National Conference on Land and People	94589
National Conference on Social Welfare	32144
National Conference on Weights and Measures	56426
National Cotton Council of America	13958
	23184
	56891
	73227
	75015
	84014
Utilization Research Div	6543
	22708
	65634
National Cottonseed Products Association	22709
	93898
National Council of Applied Economic Research (India)	83311
National Council of Farmers Cooperatives	67013
National Council of Wool Selling Brokers of Australia	13983
National Coursing Club	27952
National Credit Conference	14710
National Dairy Association of New Zealand	6184
	93278
	93279
National Dairy Council	38991
National Dairy Federation	93280
National Economic Council of the Philippines	85804
National Farmers' Organization	6937
National Farmers Union	32247
National Farmers Union of England and Wales	7518
	23354
	74503
	94315
National Federation of Cold Storage & Ice Trades	56484
National Federation of Fruit & Potato Trades	75072
National Federation of Science Abstracting and Indexing Serv	31857
National Federation of Young Farmers Clubs	76455

	Item
National Fire Protection Association Committee on Rural Fire Protection	89222
National 4-H Club Foundation	58204
	94715
National 4-H Serv Committee	32248
National Gardens Scheme	76869
National Grape Co-operative Association	75144
National Hardwood Lumber Association	62109
	62110
	71464
National Hay Association	65571
National Home & Garden Supply Merchandiser	5673
National Independent Meat Packers Association	66077
National Institute of Agricultural Botany	1427
	1428
National Certifying Authority for Herbage Seeds	57479
Seed Production Br	57480
	57481
	57482
National Institute of Agricultural Engineering	82923
National Institute of Animal Agriculture	90792
National Institute of Farm Brokers	66866
National Joint Industrial Council for the Flour Milling Industry	75328
National Live Stock and Meat Board	39949
	93792
National Live Stock Producers Association	84577
National Lumber Manufacturers Association	44916
National Market Reports	38768
National Mastitis Council Committee on Control Programs and Procedures	54383
National Milk Producers Federation	74668
	74669
National Pig Breeders' Association	72922
	72923
National Pig Progeny Testing Board	91775
National Planning Association	56398
National Planning Association--Cont	
Agriculture Committee	31858
	85717
National Plant Board	86682
National Poultry Butter and Egg Association	66181
National Provisioner	39896
National Reclamation Association	52980
	70789
National Research Council	67284
	76038
Agricultural Board Committee on Agricultural Pests	93182
Subcommittee on Range Research Methods	60556
Agricultural Research Institute	40264
Committee on Soil and Water Conservation	18581
Food and Nutrition Board	15441
National Research Council of Canada	8092
National Retail Farm Equipment Association	47505
National Rural Health Study Conference	49489
National Safety Council	82924
	84084
National Shade Tree Conference	69856
National Sharecroppers Fund	85300
National Silo Association	5878
	74342
National Soybean Processors Association	31392
National Sweet Pea Society	34802
National Symposium on Dairy Market Development	47971
National Symposium on Nitrofurans in Agriculture	11180
National Tax Association	85262
National Turkey Federation	7147
National Vitamin Foundation	41052
National Wildlife Federation	32502
National Wool Growers Association	46165
National Workshop on Promotion of Farm Products	83426
Nationale Cooperatieve Aanen Verkoopvereniging voor de Landbouw Centraal Bur	49558
Nationale Cooperatieve Raad	76491
Nationale Raad voor Landbouwkundig Onderzoek T N O Werkgroep Onderzoek Bestrijding Aardappelcyste Naaltje	15506
	615
Natkevichaite-Ivanauskene M	42143
	58683
Naton E	55744
Natr L	25021
Natradze A G	89430
Natsentov D	14172
	30075
Natsentov D I	52116
Natsvlishvili D T	51179
Natti T	35769
Nattrass R M	86865
Natu N P	18255
Naturhistorische Gesellschaft Nurnberg	86348
Natusch S	8177
Natvig H	65475
Nau H	85418
Nauchno-Issledovatel'skii Institut Melioratsii i Vodnogo Khozyaistva	9330
Nauchno-Metodicheskoe Soveshchanie po Povysheniyu Plodorodiya Legkikh Pochv Minsk	44235
Nauck A K	47506
	74228
Naude T W	62724
	91883
Naudet M	48786
	48787
	66132
	75564
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	75588
	75589
	75604
Naudts M	13864
Nauer E M	25022
	51313
Naufel F	22006
Naugol'naya T N	75548
Naujok E	14534
Naulleau G	4818
	37880
Naumann H D	4124
	6998
	14416
	39927
	48645
	57277
Naumann H D--Cont	62976
Naumann J E B	30395
Naumann K	46360
	90672
Naumann S	70603
Naumann W D	51894
Naumata M	77339
Naumenko I M	61797
Naumenko V YA	77877
Naumenko Z M	15697
	27022
Naumov K I	25023
Naumov N	80059
Naumov P A	4218
	55037
	55038
Naumov R L	55312
Naumov S M	77877
Naumov V A	27879
	45812
	72762
Naumov V V	45064
	45068
Naumova A N	61222
	70367
Naumova I B	69225
Naumova L N	43147
Naumova N A	450
	86866
Naumova S N	15659
Naumycheva M I	46259
Nautiyal D D	68336
Nauton W J S	84933
	84934
Navalkar B S	783
Navara A	83655
	93232
Navara J	25227
Navarrete H	43130
Navarrete-Sanchez C	9082
Navarro F	83695
Navarro I	89726
Navarro J	58210
Navarro J J	22710
Navarro Garnica M	27275
Navarro Grasa S	15059
	23324
Navarro y G de Canales J	57371
Navas D E	82889
Navazio F	961
Navellier P	21962
	49713
	65406
	74610
Navellier P E	30290
Naverfelt A	39096
Naves Y R	22711
	31393
Navratil B	28611
	62298
Navratil J	78671
	78672
	88628
	89804
Nawara W	4059
	63546
	72865
	72866
	72867
el-Nawawy A S	16045
	16842
	24299
Nawaz S M	48231
	48232
	56892
Nawrocki J	72713
Nay T	20113
Nayak H R	9083
Nayar B K	8764
	8765
	50758
	59536
Nayar J L	5035
	5133
	5134
Nayar K K	92606
Nayar K P	26013
Naylor A W	42936
Naylor B	38536
Naylor H	38850
Naylor H B	24666
Naylor J A	82759
Naylor J M	16843
	55816
Nayudamma Y	93793
Nayudu M V	16764
Nazarenko K S	60442
	88288
Nazarenko P G	14624
Nazarenko S I	52043
Nazarenko V	15129
Nazareno L E	62547
Nazareno N B	52431
Nazarevskii L	65907
Nazarmukhamedov V A	64437
Nazarov E G	34803
Nazarov G V	2955
Nazarov M F	66818
Nazarov S	64172
	64858
Nazarov S S	12698
	64173
Nazarov V A	38769
	73100
Nazarov V K	71673
Nazarov V P	19530
	63070
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Nazartsev N	23422
Nazartsev N G	10329
	75703
Nazaryan K A	43512
Nazir B N	25226
Nazir D J	22712
Nazirov N N	59018
	68908
Nazirov Z	82975
Nazirova B T	2485
Nazrala M	29869
Ndep W O	37131

	Item
Ndumbe R D	27679
Neagu M I	51987
Neal E M	86270
Neal F C	80212
	91076
Neal P A	19450
Neal R O	21945
Neal-Smith C	42392
Neale P E	4051
	20346
	30819
	63547
Neales T F	68909
Nearing G C	89056
Nearing S	25660
Neas M	85720
Neas M O	60616
Neasham E W	3614
Neaumann H	12346
Neave E L	17401
Neave F K	45644
	45647
Neave W J	53651
Nebbia G	18508
	48547
Nebe T	22047
	48028
	65476
Nebe W	71140
Nebelsiek K	58124
Nebily K	32548
Neboiss A	82312
Nebraska Academy of Sciences	7992
	86119
Nebraska Crop Improvement Association	94013
Nebraska Dept of Agriculture and Inspection	35598
Nebraska Grain Improvement Association	77878
Nebraska State Board of Agriculture	31859
Nebraska State Irrigation Association	2446
	70790
Nebykova L V	72200
Necas J	42405
	50886
	51239
Necesany V	11107
Nechaev A P	32830
	68324
Nechaev I A	45848
	45860
Nechaev L N	14173
	31042
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	56563
	56926
Nechaev N N	21764
Nechetnaya E	68910
Nechinennyi D K	37573
Nechiporchuk I D	24619
Nechiporenko N A	88762
Neckam A	73976
Neckelmann J	53337
Nedbal F	10996
	11088
	53696
Nedelciu D	27365
	91483
Nedelin S	66385
Nedelkovits J	66123
Nedelniuc V	36993
	91664
	91687
Nederlands Instituut van Landbouwkundig Ingenieurs	49535
Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek	15600
	41234
Nederlandsche Heidemaatschappij	10397
	15130
Nederlandse Bosbouw Vereniging	44554
Nederlandse Planteziektenkundige Vereniging	50209
Nederlandse Vereniging van Meelfabrikantan Instituut voor Graan Meel en Brood T N O	48548
Nederlandse Vereniging voor Geneeskruiden	9961
Nederlandse Zuivelbond	6380
	74664
Nedesheva G N	42406
Nedev N	60235
Nedkvitne J J	37256
Nedlich U	16848
Nedoborskii K M	91077
Nedoseeva A K	58504
Nedov P N	92171
Nedrebo O	37199
Nedyalkov N	67733
Nedyalkov N S	76781
Nedyalkov S	11181
	12699
	18750
Nedyalkov S T	10671
Nee C I	7272
	31574
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Neeb H	31043
	63774
Neeb O	87833
Needham K	22106
	45509
	45724
	80155
	80506
Needy J A	22713
Neef P	14094
	22370
Neef P--Cont	57004
Neel O T	65130
Neel W W	4696
Neelakantan L	9430
	51719
Neelakantan S	16688
Neelands R W	18857
	18985
Neelin J M	47934
Neelkantan V	52531
Neely D	24300
	50326
	67830
Neely H J	19531
Neely W V	23355
	48600
Neenan M	89727
Neergaard C	79011
Neergaard P	41666
Nees K F	63499
Nees P B	6425
Neethling R J	4399
Nef L	64099
Nefedov A G	61821
Nefedov D D	82410
Neff A W	74919
Neff J A	10806
Neff P E	90288
Neff T	58880
Negbi M	60070
Neghme A	37529
	84751
Negi G S	71618
Negishi S	34408
Negishi Y	78299
Negisi K	51326
	79328
Negomireanu V	78858
	89728
el-Negoumy A M	65477
	83915
Negovelov S F	2053
Negovskii N A	59537
	88763
Negre R	50731
Negrea S	46736
	46807
	82487
Negreanu E	51972
Negreanu V	28316
Negretti F	11640
	36218
	54384
	80692
	83833
Negrila A	88846
Negroul A	78090
Negru A	8305
	24301
Negru S	21497
Negru S	47110
Negrul' A M	25661
Negrutiu E	71682
	72543
	72785
	72957
Negrutskii S F	50374
	60071
	68911
Negulescu F	16058
	33189
	41771
Nehaul B B G	80384
Neher M B	93873
Nehrash A K	41294
Nehring K	3058
	20470
	27276
	39443
	45212
	46207
	51240
	61412
	63135
	79693
	83967
	89729
	90538
Nehring P	14064
Nehrling A H	89057
Nehrling I	89057
Neider R J	75884
Neigauz A	75329
Neigh H E	38872
Neigh K G	66947
Neikov S	40265
Neil W K	27146
Neiland J A	63660
Neilande L	62095
Neild J	56105
Neill C D	22508
Neilsen C S	64174
Neilsen N C	62433
Neilsen P C	67347
Neilson C L	46400
	81837
Neilson W T A	81784
Neilsson F T	79000
Neinhaus F	33402
Neira Franco M	18651
Neish A C	42993
	43044
	43047
	51540
Neishtadt M I	86349
Neiswander C R	20860
	37762
	37763
	55435
	73252
Neiswander R B	4400
	20901
	55521
Neitz W O	28458
Nejedly J	53953
	62428
Nejez M	15451
	85868
Nekby B A	23185
Nekhai V	91588
Nekhotenova T I	75216
Neklyudova E T	92100
Neklyudova E V	61636
Nekrasov I Ya	21549
	57767
Nekrasov S S	11124
Nekrasov V I	10761
	41295
	51241
	61929
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Nekrasov V M	18509
Nekrasova O N	49094
Nekrasova T P	18986
Nekrasova V L	94882
Nel G D	80507
Nel P C	1600
Nelder J A	33789
	78160
Neller J R	26304
	61078
Nellist M E	92841
Nelson A M R	45736
Nelson A P	6426
	6427
	6428
	14535
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Nelson A W	44637
Nelson B H	30196
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Nelson C D	1167
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Nelson C E	9389
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Nelson C P	14385
Nelson C T	33013
Nelson D C	10330
	68158
	89345
Nelson D E	27044
Nelson D M	55006
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Nelson E C	55039
Nelson E G	68493
Nelson F B	2627
Nelson F E	6225
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	94590
Nelson G E N	27237
	56462
Nelson G H	73634
Nelson G L	21730
	56199
	56288

	Item
Nelson G L--Cont	83226
	83236
Nelson G S	5738
	13356
	71809
Nelson H A	91076
Nelson I S	89058
Nelson J A	13773
	13806
	13807
Nelson J B	22988
	28150
Nelson J H	7299
	75330
Nelson J I	50311
Nelson K S	18332
Nelson L B	58091
	70904
Nelson L D	89876
Nelson L E	59079
Nelson M C	73177
Nelson M M	91338
Nelson O E	87444
Nelson P E	50530
Nelson P K	43531
Nelson R	22048
Nelson R A	36818
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Nelson R C	6009
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Nelson R H	3297
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Nelson R M	10839
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Nelson R R	288
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Nelson S H	71243
Nelson S J	72656
Nelson S L	37392
Nelson S O	16845
	86120
Nelson T	12335
Nelson T C	2628
	26789
	35737
Nelson T M	75943
Nelson T R	7622
Nelson T S	11908
	72657
Nelson W A	37574
Nelson W L	44236
Nelson W P	47488
Nelson-Rees W A	5216
	5249
	92509
Nelyubina G M	69208
Nelyubova G L	2327
	87871
Nel'zina E N	55313
Nemazi J	77283
Nemchin F	69968
Nemchin F--Cont	75162
	89190
Nemchinov V S	62014
Nemcseri L	20665
Neme N A	10248
Nemec A	79041
Nemec B	42276
Nemec J	26504
Nemecek J	78507
Némedy M	49086
Nemes F	16994
Nemes L	67485
Nemes M	26079
	70166
Nemeseri L	3521
	54385
	62831
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Nemeskeri L	19883
Nemeth E	94908
Nemeth G	10083
Nemeth I	53821
	63049
Nemeth J	28730
Nemeth M	42012
	77241
Nemeth M V	87053
Nemeth S	3377
	11641
	39290
	61553
Nemeth S B	54204
Nemeth Z	88396
Nemeth-Csoka M	48632
Nemeti L	7619
Nemirovskii E I	10537
Nemitz G	65714
Nemky E	24526
Nemlienko F E	33273
	48549
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Nemoto H	11302
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Nemschak F	57848
	66560
	66602
Nemtsov M I	50615
Nenaidenko V P	1729
Nenakhov I F	1489
Nenarokomov A V	289
Nenashev L S	8485
Nenashev P D	63410
Nenetskii A M	73167
Neogi N C	36091
Nepenin Yu N	45065
	53652
	79551
Nepokroeff C M	33409
Nepomiluev V F	2149
	2150
	70281
	70371
	78442
	78443
	89548
Nepomnyashchii P T	4253
Nepsha F F	13246
Neptune E M	55710
Neri A	6234
	74730
Neri C	79980
	83968
Nerie W K	10567
Nerikar V N	960
Nerlove M	13481
	14095
Nernst C	31178
	75362
	84522
Nerpin S V	89463
Nersesova M	40294
Nertinger J	31747
Nes A G A van de	25746
	25747
	25748
Nes N	20050
Nes W R	88104
Nesbit J M	74670
Nesbitt J M	65228
	93155
Nesbitt L L	6429
	45924
Neschner E	13034
Neseni R	20058
Neshchadin A G	75566
Nesheim M C	3860
	3865
	11909
	20164
	28188
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	72585
Nesheim S	7041
Nesmeianov A	25024
Nesmeyanova A D	59538
Nesmii M	66386
NeSmith J	17945
	17946
	18012
	18043
Nespiak A	8152
	24527
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Nestel B L	11642
	90995
Nestelberger F	39533
Nester R P	60598
Nesterenko T A	83073
Nesterenko V G	79447
Nesterov A V	89346
	89347
Nesterov G F	11318
	27418
Nesterov T S	6975
	27310
Nesterov V	27244
	81006
Nesterov V G	18751
	35678
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Nesterov Ya S	34088
	34089
	51242
	69754
Nesterova E	53788
Nesterova K P	93723
Nesterovich N D	49818
	58532
	69226
	77392
	77807
Nestle A S	3689
Nestler R B	72546
	86263
Nestorov N	11966
	62686
	63403
	63423
	63501
Nestyuk M N	39138
Nethercut P E	71524
Netherlands Antilles Statistiek- en Planbur	21922
	86000
Netherlands Centraal Bur voor de Statistiek	6544
	7897
	13590
	21915
	30197
	39097
Netherlands Centrale Commissie van Toezicht op de Uitvoering van de Kunstmatige Inseminatie	53749
Netherlands Commissie Nieuwe Bedrijfssystemen in de Landbouw	49254
Netherlands Dienst der Zuiderzeewerken	7743
Netherlands Directie Landbouwonderwijs	5674
Netherlands Directie Tuinbouw	9562
	17285
	58031
Netherlands Directie van de Landbouw	31985
	34360
Netherlands Export Promotion and Foreign Information Serv	90539
Netherlands Foreign Agricultural Information Serv	28426
Netherlands Ministerie van Landbouw en Visserij	36430
Netherlands Plantenziektenkundige Dienst	8375
	8501
	12352
	16046
	20746
	24153
	34921
	41845
	42073
	55436
	86683
	87129
	92172
Netherlands Rijkscommissie voor de Samenstelling der Rassenlijst voor Landbouwgewassen te Wageningen	34361
	34362
Netherlands Rijkslandbouwconsulent voor Utrecht	76419
Netherlands Rijkslandbouwconsulentschap Schagen	70604
	74073
	78673
Netherlands Rijkslandbouwvoorlichtingsdienst voor Oostelijk Gelderland	62987
Netherlands Scientific Committee for the Standardization of Methods for the Analysis of Milk and Milk Products in the Netherlands	39282
Netherlands Staatsbosbeheer	18692
Netherlands Voedingsraad	15442
	41053
Netherlands Volksgezondheid Veterinaire Inspectie	62429
	93854
Netien G	9084
	86430
Netke S P	45510
Netreba I G	69671
Netrov A M	85395
Netsetskii A M	4541
	63848
Nettancourt D de	50852
Nettesheim A	39568
Nettles C J	25388
Nettles V F	60180
	61078
Nettles W C	41617
	60858
	81852
Nettles W C N	50164
Netto F A	22080
Netz I	58350
Neu F R	65451

	Item
Neubacher F	10668
	19037
	35818
	71021
	79136
	79374
	90261
Neubauer D	69227
Neubauer H F	42277
Neubauer L W	13377
	83282
Neubauer T A	53031
Neubecker F P J	12353
Neubeller J	68584
Neuber B	18899
Neuberger A	9262
Neubert R	79858
	81273
Neubrand K	46237
	72979
Neubrech W L	11037
Neudachin I I	81898
Neuenschwander E	23186
	31860
Neufeld C H H	67285
Neufeld E F	16846
	16941
	42935
	51475
	51524
	88195
Neugebauer V	89600
Neugebauer W	29764
Neugodova O V	89514
Neuhaus O	44638
Neuhaus U	56655
Neuhaus W	11771
Neuhausl R	76870
	76871
Neukirchen C H	21731
Neukom H	30948
	57172
	57173
Neuman K	90385
Neuman V	63160
	79859
Neumann A L	36451
	36511
	80156
	91666
Neumann C F	36761
	48663
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Neumann D	38217
	38218
Neumann E	80979
Neumann F	62854
Neumann G	17486
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Neumann H	7370
	46346
Neumann H J	80385
Neumann J	60073
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Neumann W	77054
	80157
Neumann W P	12685
Neumeyer	38859
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Neumeyer C	6147
Neundorf R	27811
	73015
Neunes H W	92461
Neunzig H H	4628
Neurath P M	58174
Neuray G	68912
Neururer H	9893
	17755
	24154
	24302
	25925
	43775
	70074
	86684
Neury G	37696
Neuser H	19116
Neuss N	88238
Neustadt M H	22490
Neustein S A	90222
Neuteboom J D	31986
Neutze G M	56688
Neuvy A	79634
Nevano G	26505
	26506
Neve M	57183
Neve R A	35079
Nevell T P	48233
Nevels E M	32478
	74443
Nevenic V	28021
	54969
	54971
	63110
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	79860
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Neves H C	14043
Neves J B	26507
Nevesenko Z I	70143
Neville O K	26038
Neville P	8766
Neville W E	62687
Neville-Jones D	18511
Nevinnykh V A	69480
Nevins A	94676
Nevjestic A	27260
Nevling L I	155
	50059
	86478
Nevodovskii G S	290
Nevolin O A	61766
Nevol'skikh N M	47476
Nevskii S P	17602
Nevyarovich A	40007
Nevzgodina M V	20401
	63507
Nevzorov N V	2569
	18725
Nevzorov N V--Cont	70997
	70998
New D A T	81978
New J K	81978
New Brunswick Dept of Agriculture	76669
New Brunswick Dept of Lands and Mines	49255
New England Botanical Club Committee on Plant Distribution	76910
New England Gladiolus Society	34804
New Hampshire Conservation Needs Committee	61615
New Hampshire Forestry and Recreation Commission	19158
New Hampshire Horticultural Society	78026
New Hampshire-Vermont Breeding Association	36434
New Holland Machine Co	51784
New Horizons for Black Hills and Wind River Lumber Sawmill Clinic	90336
New Jersey Agricultural Convention	66561
New Jersey Crop Reporting Serv	22645
	36877
	93183
New Jersey Dept of Agriculture	21824
	49763
New Jersey Forest Fire Serv	44879
New Jersey Mosquito Extermination Association	81554
New Jersey State College of Agriculture and Mechanic Arts Extension Serv	12602
New Mexico Cattle Growers Association	54490
New Mexico Economic Poisons Control Off	86121
New Mexico Feed and Fertilizer Con-	39444
New South Wales Bur of Census and Statistics	39098
New South Wales Dairy Products Board	93281
New South Wales Dept of Agriculture	1490
	1601
	1688
Biological Br	452
	453
	454
	455
	528
New South Wales	571
Dept of Agriculture	1169
Biological Br--Cont	1170
	1171
	2151
	2506
	8376
	24155
	24156
	24157
	24158
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	24306
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	87834
	87835
Div of Animal Industry	3381
	3522
	3939
	4003
	4164
	4219
	4267
	4268
	4304
	4542
	19532
	22068
	72272
Div of Horticulture	9581
	9599
	9625
	9666
	15924
	17306
	17356
	17357
	25622
Div of Marketing and Agricultural Economics	84493
Div of Plant Industry	1491
	1799
	1880
	1881
	1882
	1883
	1884
	1885
	1952
	3059
	5821
New South Wales	9497
Dept of Agriculture	9498
Div of Plant Industry--Cont	9499
	9837
	9838
	9839
	9894
	10148
	17190
	17603
Div of Science Serv	33274
Entomological Br	4643
	4644
	4645
	4697
	12354
	12413
	12581
	12653
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	20836
	28793
	28794
	29088
	29129
	29130
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	63938
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	64051
	64052
	92101
	92173
New South Wales Dept of Conservation	2447
	78948
New South Wales Dept of Lands	94419
New South Wales Dried Fruit Board	31044
New South Wales Forestry Com-	18693
	90033
New South Wales Milk Board	74671
New South Wales Registry of Co-operative Societies	58224
New South Wales Rural Reconstruction Board	66562
New South Wales Sheepbreeders' Association	15385
New South Wales Soil Conservation Serv	2486
	2487
	2488
	78949
	78950
New South Wales Statistician	56517
New South Wales Water Conservation and Irrigation Commission	10398
	89863
	89864
	89865

	Item
New York Academy of Sciences	62430
New York Artificial Breeders' Cooperative	36435
New York Certified Seed Growers Cooperative	22815
New York Coffee and Sugar Exchange	30398
	30399
	65321
New York Dairy Herd Improvement Cooperative	72273
New York Entomological Society	28738
New York Farm Electrification Council	74361
New York Produce Exchange	21825
	84263
	84264
New York State Association of Milk Sanitarians	47899
New York State College of Agriculture (Cornell University)	14282
Dept of Plant Breeding Biometrics Unit	8835
New York (State) Conservation Dept	31987
New York (State) Crop Reporting Serv	30327
	65804
New York (State) Dept of Agriculture and Markets	38953
	76670
Div of Milk Control	39310
New York State Horticultural Society	78027
New York (State) Joint Legislative Committee on Natural Resources	26720
New York (State) Soil Conservation Committee	18582
New York (State) University College of Forestry at Syracuse	45317
	79329
New York State Veterinary College	71810
New Zealand Aberdeen Angus Cattle Breeders Association	62597
New Zealand Apple and Pear Marketing Board	6673
	48425
	65736
New Zealand Co-operative Dairy Co	6275
	7023
New Zealand Customs Dept	2796
	94775
New Zealand Dairy Board	39411
New Zealand Dairy Board--Cont	
Herd Improvement Council	3288
New Zealand Dairy Products Marketing Commission	56689
New Zealand Dept of Agriculture	79981
Farm Advisory Div	62313
	69969
	74153
New Zealand Dept of Island Territories	7520
	7898
	23187
	23188
	31861
New Zealand Dept of Lands and Survey	15008
	66675
New Zealand Dept of Scientific and Industrial Research	32605
Crop Research Div	7519
	34363
Grasslands Div	25464
New Zealand Dept of Statistics	6084
	21866
	23618
	30291
	66424
	83590
New Zealand Grassland Association	1602
	88630
New Zealand Meat and Wool Boards' Economic Serv	6882
New Zealand Meat Producers Board	6883
New Zealand Microbiological Society	23736
New Zealand Milk Board	74672
	76273
New Zealand Pig Breeders' Association	63566
New Zealand Potato Board	84160
	57428
New Zealand Racing Conference	72394
New Zealand Romney Marsh Sheep Breeders' Association	4060
New Zealand Science Congress	94852
New Zealand Sheep Breeders' Association	20330
New Zealand Society of Animal Production	27489
New Zealand Soil Conservation and Rivers Control Council	2489
New Zealand Tobacco Board	31614
New Zealand Weed Control Conference	43778
New Zealand Wool Board	39534
New Zealand Wool Commission	6545
	6546
Newberg R	13569
Newberg R R	58171
	66500
Newberne J W	3523
Newberne P M	63050
Newbold B T	6496
Newbould P	9129
Newburgh R W	5065
	16972
	16973
	46916
	80790
Newbury R G	48234
Newby H V	639
Newcomb H R	11990
	46023
	51243
	80865
Newcomer E C	22242
Newcomer H R	69867
Newcomer J L	14581
	21892
	22759
	51818
Newcomer W S	46013
	72627
Newell G W	56199
Newell I M	64307
Newell K W	83351
Newell L C	909
	24741
	25465
	88631
Newell S R	65268
Newfoundland	35845
Newhall F	9331
Newhall L E J	45868
Newhall W F	65805
Newham G	81437
Newhook F J	41847
Newhouse J	9921
Newland H W	36512
Newland L	30400
Newlands H W C	3524
Newman A	64666
Newman A L	52666
Newman C C	26981
Newman C W	54205
	55052
Newman E J	31738
Newman G	47305
Newman G A	7899
	11038
Newman J	74292
Newman J A	17043
	80673
Newman J E	361
	26009
	32585
Newman J S	9390
	25407
	78674
Newman J V	7436
Newman K	79891
Newman L H	5491
Newman M A H	20025
Newman R J	44238
	10249
	70605
	78675
	89730
Newman R L	81899
Newmeyer D	87445
Newport C A	44616
	44903
	53338
Newrzella B	66924
Newsam I D B	27812
Newsom D	52074
Newsom D W	9655
	39700
Newsom H D	14849
	15303
Newsom H F	25749
Newsom L D	37656
	81420
Newson D W	51977
Newton A A	19666
Newton F E	56893
	56894
Newton G K	52357
Newton J P	38718
	25750
Newton J R	64672
	82769
Newton J W	56353
Newton K	7714
	89431
Newton L E	34805
Newton L G	80643
Newton M	79248
Newton R W B	26677
Newton W M	28681
Ney M	47795
Nezamuddin S	10399
Nezgovorova L A	34002
Neznaev M F	44313
Nezu M	24727
	33790
Nezu N	21846
Nezval A	54206
Ng Y L	7026
Nguen H H	21050
Nguen-Suan-Khoe	12400
Nguien-Tien-Byu	55304
Nguven Phu Duc	85706
Nguyen-Huu-Thuoc	42510
Nguyen Nhu Nghi	14653
Nguyen Thi Lau	14653
Nguyen-Thi-Lau	32479
Nguyen-van-Chi	672
Niagara County (N Y) Agricultural Stabilization and Conservation Farm & Home Center	31862
Niagara Frontier Co-operative Milk Producers' Bargaining Agency	83834
Niaussat P	87836
Nibler C W	45725
Nica A	28654
	28682
	60917
	91884
	91885
	91892
	91904
Nica S	51950
	51959
	60702
	76299
Nica T	91631
Nica V	6430
Nicaragua Direccion General de Estadistica y Censos	13591
	30396
Nichimoto J	48984
Nichiporovich A A	30119
	34090
	42750
	51244
	87837
	87838
Nichiporovich A A	87952
Nichita S	72186
Nichitovici V	56578
Nichol G	616
	1270
	1953
Nichol W E	78393
Nicholas D J D	52615
Nicholas G	43131
	82096
Nicholas G A	84875
Nicholas J S	58419
Nicholas R C	6050
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Nicholls C F	20550
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	29250
	46759
Nicholls J R	83474
Nicholls J W P	26855
Nicholls L	92483
Nicholls S F	22243
Nicholls W H	85168
	94143
Nichols A A	77204
	18723
	35657
Nichols B	40041
Nichols B W	9227
	48740
Nichols C	84161
Nichols C W	77078
Nichols J E	4165
Nichols L P	41848
Nichols R	9085
	16360

	Item
Nicholson J A H	23236
	51877
	53067
Nicholson J L	5849
Nicholson J O	27128
Nicholson J W G	72907
	80158
	81253
	81265
Nicholson P A	65131
Nicholson R C	40594
Nicholson R I	66234
Nicholson Calle G E	17075
Nichter A M	23061
	23332
	23333
	23334
	23357
	23358
	23359
Nickel C H	54212
	54213
	54216
Nickel E A	28893
	46262
Nickel J L	29089
	55502
Nickell L G	9086
	16847
	24312
	34091
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	88252
Nickell W P	29765
Nickelson W F	63603
Nickerson D	39535
	39536
	56893
	56894
Nickerson J T R	74414
	75227
Nickerson L F	2934
Nickerson N H	33791
Nickerson T A	65410
Nickerson W J	50797
	50798
	51559
Nickles W C	79605
Niclaus W	54964
	56659
Nico D L	5945
Nicol	37257
Nicol A	46066
Nicol H	26305
Nicol L	15562
Nicol M Z	59941
	60323
Nicola A de	84359
Nicola F	26540
Nicolae C	42488
	78657
Nicolaescu M	93724
Nicolai E	24620
Nicolai R	19533
Nicolaidis N J	37881
Nicolaisen N	34922
Nicolaisen W	87839
Nicolaisen-Scupin L	93603
Nicolas J L	64362
	82313
Nicolas J P	64362
	82313
Nicolau A	34389
	34406
	36653
	43091
	43106
	80386
Nicolau M	26063
Nicolaus A	65229
	27738
	81072
Nicoli A	21941
Nicolici V	39385
Nicolicin S	36436
Nicolle J	60075
Nicolussi M	3525
Nicora E G	86479
Nicot J	32992
	77015
Nicota B	42278
Nicovescu H	45066
Niculescu A	81098
Niculescu E V	64667
Niculescu P	87525
Nie C J van	55105
Nieberle K	62431
Niec R	73571
Niederbudde E A	18048
	43989
Niederer W	47957
Niederfrank E J	49514
Niederfrank E J	67276
Niederhauser J S	50887
Niederlova B	41563
Niedermaier K	78676
Niedermaier T	70905
Niedermeier R P	3382
Niedziolko J	89191
Niehaus H	40499
	91281
Niel P	43632
	89192
Nielsen A	29803
Nielsen A H	23501
Nielsen B E	7668
Nielsen C	92651
Nielsen D R	2013
	35101
	51039
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	52425
	52903
Nielsen D R--Cont	70182
	70209
Nielsen E L	8469
	8763
	24618
	24733
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Nielsen E S	9087
	15647
	16942
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Nielsen E T	38496
	73725
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Nielsen E W	13746
Nielsen G	26207
Nielsen H	39065
	52532
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Nielsen H T	73725
Nielsen I	62432
Nielsen J	50922
	45434
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Nielsen J P	62432
Nielsen K	3526
	11643
	57849
Nielsen K E	1172
Nielsen K F	52378
Nielsen K H	66563
Nielsen L T	29506
	55361
Nielsen M M	22615
Nielsen P B	37393
Nielsen P K	52981
Nielsen P S	84935
Nielsen S T	6342
	30622
Nielsen S W	36349
	45486
	54595
Nielsen V H	39334
	74841
	93371
Nielson A C	5971
Nielson J	31988
	32023
Nielson M W	4892
	17149
	47031
	47032
Nielson R F	26306
	51672
Nieman C E	75331
Nieman F	29892
Nieman R H	87840
Niemand H G	28023
	91233
Niemand S	91233
Niemann A	70601
Niemann E	24313
Niemann-Sørensen A	11435
Niemczuk R	29202
Niemczyk E	46548
	73305
Niemczyk H D	33275
Niemeyer H A	13984
Niemeyer L	42013
Nieminen L	10210
Nienhaus A	58032
Nienhaus F	42014
	68030
Nienstaedt H	35830
	51246
Niepage H	36300
	36809
Niepel J	75651
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Nierderhauser J S	78146
Nierinck R	63889
Niering W A	17756
	17757
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Niesar K H	11857
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Nieschlag F	18013
	42751
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	44240
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	61413
	61414
Nieschlag H J	6554
Nieschulz	39784
Nieschulz A	57856
Niessen C	20114
Niesslein E	44593
Niestrawski Z	14603
	14604
Niethammer A	51247
Nieto F	19555
Nieto Caballero A	85869
Nieto Ostolaza M del C	21867
Nietsch H	50060
Nietzke G	24159
	86687
Nieuwenhoven P J van	8153
Nieuwenhuijse L	23099
Nieuwhof M	17604
	24734
	24735
	43633
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Niewenhuyzen P M van	83427
Niewiadomski H	93924
Niewiadomski W	89443
	93725
Niewiarowska J	87333
Niezgodzinski P	46682
Niffenegger D	60076
Nigam I C	14492
	75567
Nigam M C	14492
	14502
	75567
Nigam S S	14491
	14493
	31394
Nigam V N	16943
Niger Serv des Recherches	33101
	34468
Nigeria Dept of Agricultural Research	94955
Nigeria Dept of Forest Research	10538
	18652
Nigeria Dept of Veterinary Research	3164
Nigeria Eastern Forest Div	23842
	18679
Nigeria Northern Region Dept of Agriculture	32503
Nigeria Northern Region Forest Admin	35640
Nigeria Northern Region Marketing Board	13482
Nigeria Northern Region Ministry of Animal Health and Forestry Veterinary Div	3165
	62434
Nigeria West African Stored Products Research Unit	4729
Nigeria Western Region Livestock Div	90793
Nigeria Western Region Ministry of Agriculture and Natural Resources Livestock Div	56399
	3228
Nigerian Produce Marketing Co	5972
Niggl L	35517
Nightingale E A	30198
Nightingale F S	48377
	57005
Nightingale G D	18243
Nigmatullin T G	27813
	36654
Nigond J	87841
Nigro C	18333
	26062
Nihon Kanzei Kyokai	94776
Nihoul E	45323
Niilo L	36655
	28457
Niimoto D H	791
Niina K	2097
Niino S	13954
Niiro O	2977
Niiuchi K	68913

	Item
Nijdam J	25544
Nijensohn L	18014
Nijhawan S D	78488
Nijland H J	51878
Nijolodyshev I S	83299
Nijs W	90796
Nikanorov B A	27814
	36656
Nikandrov B F	53672
Nikanorov G	71244
Niketic G	39766
Nikiforov A M	348
	67726
	76671
Nikiforov K	27672
Nikiforov M V	17994
Nikiforov N I	22606
Nikiforov P E	83055
Nikiforov S P	19117
	26746
	44639
Nikiforov Yu L	87334
	88196
Nikiforova E	25329
Nikiforova E G	25330
Nikiforova L	56640
Nikiforova N A	41849
Nikiforova N M	3130
	36269
	72418
Nikishin F M	94104
Nikishin K G	25569
	88911
Nikishov M I	66590
Nikitaev S A	14784
Nikitchin B	89958
Nikitenko G F	25340
	69396
Nikitenko I T	92842
Nikitenko P	17191
Nikitenko P P	69580
	76331
	93017
Nikitin A A	68325
	68333
	68334
	68925
	70154
	71548
	75794
Nikitin D I	44029
	61223
Nikitin I N	26898
Nikitin K E	90095
Nikitin M G	12271
	37161
	80352
Nikitin N D	66387
Nikitin V N	21579
Nikitin V V	93465
Nikitina A P	71115
Nikitina E V	8178
	8179
	58565
Nikitina L V	25838
Nikitina N I	67608
Nikitina R M	68027
Nikitina R T	26115
Nikitovic P	81900
Nikitskaya K I	59391
Nikkila O E	31638
Niklas A	27091
Niklas O F	47108
Niklaus L	16029
Nikles D G	26899
Niklyaev V S	51340
	51673
Nikodemusz I	47744
	83352
Nikogosyan E E	43634
Nikolae K	80644
Nikolaev A	39243
	83916
Nikolaev A A	45879
Nikolaev A I	22433
	32549
	54883
Nikolaev A V	36301
	36302
	61085
Nikolaev B A	93726
Nikolaev G S	23286
Nikolaev G V	42819
Nikolaev I V	78483
Nikolaev K N	72494
Nikolaev P	13247
Nikolaev P A	73983
Nikolaev V A	59307
	70502
	71753
Nikolaeva A V	12230
Nikolaeva E D	64007
Nikolaeva G N	69249
	69250
Nikolaeva L	73401
Nikolaeva L P	44732
	92250
Nikolaeva N	89348
Nikolaeva T L	291
	32993
Nikolaeva V V	91349
Nikolaevskaya M A	89534
Nikolaevskii V G	25025
	87335
	68326
Nikolayevs'kyi V H	68330
Nikolenko V G	56308
	88960
Nikolić D	4061
	27219
Nikolic M	4229
	37303
	54997
	55152
	91815
Nikolic P	12259
Nikolic S	79167
Nikolitch R	76173
Nikolov I	89805
Nikolov Kh	24621
	24622
Nikolov Kh--Cont	68327
Nikolov N	92973
Nikolov P	37071
	71811
	72617
	72845
	72846
Nikolov S	36123
	75405
Nikolov V	93855
Nikolova M	69158
Nikolova V	91982
Nikol'skaya I S	63482
Nikol'skaya M N	12967
Nikol'skaya V V	61306
Nikol'skii B A	28097
Nikol'skii B S	36626
Nikol'skii M N	72868
Nikol'skii N K	40639
Nikol'skii N N	2054
	10004
	10124
	70210
Nikol'skii S N	90675
Nikol'skii V V	4269
Nikol'skii Ya D	53112
Nikol'skii Yu K	68494
Nikolyuk V F	61224
Nikonenko D A	60893
Nikonova N A	89194
Nikoro Z S	1492
Nikov S	90673
Nikova Z	65310
Nikso-Nikochio N V	63161
Nikuchi M	84491
Nikulichev P	83862
Nikulin I	74920
Nikuni J	21773
Nikuni Z	9001
Nilan R A	914
	42407
	87680
Niles C A	3166
Niles G A	9445
	17124
Niles W J	20666
Niloofari P	71605
Nilov V I	13654
	21963
Nilov V V	30397
	84825
Nilsen A	39349
	56608
Nil'son A M	44691
Nilson K M	93397
Nilsson A	27404
	52044
	53954
	58533
Nilsson B	34364
	89349
Nilsson F	50211
	51476
Nilsson F--Cont	51902
	70606
	70690
Nilsson G I	41669
Nilsson H E	20747
Nilsson J E	70607
	70608
Nilsson K O	35369
Nilsson L S	11644
	27815
	54386
	79861
Nilsson N A	55639
Nilsson N E	18813
Nilsson O	8377
	86480
Nilsson P A	26307
Nilsson P O	54443
	62853
	73031
Nilsson T	80834
Nilsson-Leissner G	7214
	40147
	94014
Nilsson-Leissner T	54118
Nimbalkar R V	18253
Nimeck M W	89549
Nimmo M	79359
Nims R M	54543
Nimura H	33564
	67625
Ninan C A	24623
	25589
	51916
Nino Larru F	53789
Ninokata K	78301
Ninomiya E	64509
Nippe W	90419
Nipper T	3289
Nipper W A	54205
	80159
Nippon Mokuzai Kako Gijutsu Kyokai Mokuzai Hozon Bukai	35963
Nippon Oils & Fats Co	7082
Nirula K K	29011
	4698
	50550
Nirula S	24624
Nirvan R S	41951
Nisbet D I	37258
	91712
Nisbet N W	36952
Nisbet R B C	25751
Nischwitz J	29943
Nisen A	34603
	43412
Nishi S	87416
Nishi Y	2901
Nishida J	73474
Nishida K	51248
Nishida S	78299
Nishida T	4401
	59020
Nishiguchi C	29390
	55577
	64100
	73386
Nishihara M	2897
	47243
Nishiitsutsuji S	37919
Nishiitsutsuji-Uwo J	38497
	82760
Nishikawa H	36657
	24962
	45645
Nishikawa K	33792
Nishikawa S	30806
Nishikawa T	11975
Nishikawa Y	80387
Nishikori S	36122
	39522
Nishimaru S	83376
	83377
	83475
Nishimoto K	2846
	19174
	19175
	44975
	44976
	53567
	53569
Nishimura I	73102
Nishimura K	57385
	84826
Nishimura M	11060
Nishimura S	2738
	34308
	77152
	77153
	86688
	87842
	88397
	88632
	88633
Nishimura Y	8836
	91897
Nishio Y	12835
	12836
Nishioka K	75745
Nishioka R S	73876
Nishita H	87613
Nishiura M	69717
Nishiya K	85133
Nishiyam I	24736
Nishiyama H	28173
	91371
Nishiyama I	25026
Nishiyama Y	42752
Nishizaki Y	49954
Nishizawa M	2629
	61798

	Item
Nishizawa Y	4402
	4403
	12355
	46361
	73115
Nisinman Ts	93316
Nisizawa K	16914
Nissen O	49256
Nissen P	9297
Nistor T	75437
Nisula P	35992
Nitisastro W	85718
Nitoiu I	36256
	90604
	90993
	91343
	91826
Nitsan J	60077
	60078
Nitsch C	34092
Nitsch G	84699
Nitsch H	19275
Nitsch J P	34092
	25027
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	87844
Nitsche K	38738
Nitschke G	13985
	39537
Nitschke R	69755
Nitschmann J	29455
Nitse L	26101
Nitsenko A A	8687
	16237
	24528
	68159
	86350
	89601
Nitto M	2775
	55578
	64101
Nittoli C A	11781
Nittono Y	20990
Nitzany F E	87056
Nitzschke E	53955
Niven C F	3140
	6884
	83969
Nivin S	2885
Niwa T	54998
Nix H L	40266
	49426
Nixon C J W	48306
	48378
Nixon D A	4100
Nixon E L	49171
Nixon G F	3690
Nixon G W	69581
Nixon J H	66894
Nixon L A	66948
Nixon R W	9088
	9600
Niyazov D	9621
Nizamuddin H	39837
Nizamuddin M	42279
Nizhnik G V	46081
Niznansky A	9067
Niznansky F	62435
	71812
	79862
Nizovtsev V A	36869
	90674
Njaa L R	74425
Njoku E	1173
	18858
Njoku-Obi A N	79863
Njøs A	52426
Noack	21624
Noack R	77393
	77447
Noack U	38816
Noack W	38719
Noat G	87914
Nobe K C	7744
	22973
Nobel T A	27816
	62854
Nobili I	79804
	81099
Nobis G	54661
Nobito K	91316
Noble A	15131
	49374
Noble E R	11303
Noble G A	11303
Noble H F	66805
Noble I	21800
	93878
Noble L W	4604
	28760
	46504
Noble M	41670
	89059
Noble R C	72691
Noble R L	22616
Noble W R	31395
	48754
Nobles M K	86577
Noblin J E	15386
Nobre E da R	40929
Nobre J M	11304
	72152
Nobs M A	50001
Nobuto K	28117
	28141
	91897
Noce G dalla	24314
	25341
Nocetti J A	94382
Nockler J	76422
	85874
Noda A	67699
Noda H	88574
Noda R	28151
	91695
Noda S	42280
	91695
Nodel' B I	13505
Nodenes M	43532
Nodland T R	7534
	7659
	7660
	32050
	32051
	32052
	32063
Noe L	3527
Noebels H J	65098
Noel A R A	74
	68495
Noel J K	72658
Noell G	40595
Noell H	74313
Noell K	85252
Noer O J	25752
	77069
Noether H D	6580
Noffsinger T L	12099
Nofziger J C	20518
Nogaitsev I	62855
Nogaitsev I N	38817
Nogent-sur-Marne Centre Technique Forestier Tropical	10923
	26827
	71477
Nogina N A	18176
	78483
Nogina V T	91616
Noguchi A	67543
	67544
	67545
	68321
Noguchi K	76891
Noguchi M	9089
	45157
	77808
	87845
Noguchi S	24884
Noguchi Y	14612
Nogueira I R	41219
Nogueira J B C	31681
Nogues J	22151
Nohara K	37484
Nohara Y	456
	16047
Nohejl J	50503
Nohira A	13020
	82761
Nohre C O	52982
Noilhan	85796
	94144
Noilhan H	85169
Noirfalise A	16238
	86351
Noirot C	5608
	56024
Nojima K	1266
	26372
Nokihara E	11039
	75036
Nolan C N	18015
	18342
	61415
Nolan N J	26772
Nolan W J	2924
Noland P R	12220
	37335
	54904
Nolang R	48890
	86122
Nold M M	36246
Noldner	11834
Noles R K	30052
	48853
	66173
	74293
Noll A	8502
Noll C J	17758
	17759
	17760
	17761
	17762
	43636
	52118
	52266
	52267
	52268
	52269
	52270
Noll D C	17763
Noll' I F	26308
Noll J	47173
Noller C H	37336
	45511
	72039
	80314
Noller E	65764
Nolte H W	29258
Nolte H W	46362
Noltee F K A	60810
Noma T	19165
Nombela M	57453
	75674
Nomine H	32391
Nomm E	54629
Nommik H	26309
	43965
	52811
	70372
	78677
Nomokonov L I	68160
Nomoto K	52507
Nomoto N	34093
Nomoto T	34909
Nomura K	20748
	55213
Nomura N	43816
	70095
Nonami Y	75652
Nongop Satong Chohap Chungyanghoe	76039
Nonhoff F	23403
Nonnekens A C	5025
Nonveiller G	29391
Nooij S H	50504
Noonan J B	52271
	60973
	77960
Noonan J C	60974
Noordam W P	94420
Noordhoff L J	1938
Noordzij P	75172
Noorle Jansen L M van	3131
Noort H R van	7994
	23287
Noort P C van den	76174
	85719
Noortgaete C H van den	45213
Nooy S H	57088
Norang O	32053
Norberg I	63150
Norcross H	10953
Norcross R	14097
Nord E C	16689
	50061
Nord F F	19319
Nordal A	9254
Nordal O	40228
	25540
Nordalm D	94555
Nordang B	23797
Nordberg B K	54866
Nordberg E R	22448
Nordbo M T	5703
	13138
	29849
	31771
Nordby A	47352
	92914
Nordby H E	45928
	91424
Nordby J E	3229
	4305
	19667
Norden A J	51674
Nordenskiold H	33793
	50888
Nordenstam B	58534
	86481
Nordenswan L G	36066
Nordfeldt S	79695
	80160
Nordhagen R	58684
Nordheim W	6811
Nordhoff G	72201
Nordholm A G	84360
Nordin I	50062
Nordin V D	58877
Nordin V J	50212
	86689
Nordkvist M	36303
	62475
	79695
Nordlid S	39244
Nordman A F	46608
	46873
	46874
	47174
	47175
	47176
	47177
	47178
	47179
	47180
Nordmann B	43625
	69310
Nordon P	84085
Nordquist M	10912
	44640
	62016
Nordquist P T	34392
	51703
Nordqvist T	82829
Nordskog A W	3958
	20131
	20247
	36967
	72483
Nordstoga K	63503
Nordstrand A	53657
	62165
Nordström F	5492
Nordwig A	75404
Noren B	53546
Noren O	5782
	13264
	13265
Nores G D	47593
Norfolk (Eng) Agricultural Station	15601
Norfolk (Va) Botanical Garden	86352
Norges Bondelag	7812
	76672
Norges Landbruksokonomiske Institutt	40596
	57957
Norges Landbruksvitenskapelige Forskningsrad	76802
Norges Pelsdyralslag	63121
Norgren R L	33453
Norheim A	38818
Norin T	36088
	53661
Norin V	9743

	Item
Norkrans B	16848
	16944
Norlindh T	23974
Norman A G	16849
	26124
	61225
Norman B W	35202
Norman C	20123
	54306
	90852
Norman D A	83227
Norman G	16141
	59166
Norman M J T	14895
	17192
	17193
	17194
	18050
	19747
	34428
	62284
	78678
	88485
	88724
Norman P A	64008
Norman R A	15009
Norman R F	56059
	74186
Norman R G	11017
Norman S	22210
Norman T	24006
	29647
	47139
Norman-Taylor W	40852
Normand A	44641
	79137
Norrbottens Lans Hushallningssallskap	58377
Norrgren O	6381
Norris D H	76998
Norris D M	4767
	5030
	12629
	20927
	21144
	41850
Norris E	84976
Norris G L F	4
Norris J	35024
Norris J R	4893
	78406
Norris K H	17487
	57429
	57468
	83142
Norris K R	4465
Norris L C	11899
	3860
	3866
	19411
	20181
	45906
	45920
	54705
	80739
Norris R E	25028
	60668
	69721
Norris V	23673
	56374
Norris W E	9090
Norrish J G	28610
Norrish K	61154
	79012
Norrlands Skogsvardsforbund	89991
	90047
Norrman E	27647
	45512
	80161
Norsenstam B	58685
Norsk Botanisk Forening	58535
Norsk Planteskolelag	34806
Norsk Polarinstitutt	58536
Norske Hageselskap	8378
Norske Melkeprodusenters Landsforbund	56609
	74786
Fjøsstellutvalget	56289
Norske Skogselskap	53121
Norstog K	16361
North A D	12313
	91776
North C	34121
	43635
	48457
	87846
North C E	13747
North D T	42348
	59683
North J D	39012
North J J	70791
North American Lily Society	60811
North American Wildlife and Natural Resources Conference	7995
	15507
North Borneo	49172
North Borneo Dept of Agriculture	23747
North Borneo Forest Dept	18694
North Borneo Lands and Survey Dept	15010
North Carolina Conservation Needs Committee	53045
North Carolina Crop Improvement Association	31523
	66204
North Carolina Dept of Agriculture	2521
North Carolina Dept of Agriculture	6431
	30726
	57593
Div of Entomology	66294
North Carolina Federal-State Crop Reporting Serv	22714
	48788
North Carolina Rural Electrification Authority	30097
	38860
North Carolina State College of Agriculture and Engineering School of Agriculture	49490
North Carolina State-Industry Cooperative Forest Tree Improvement Program	90223
North Central Corn Breeding Research Committee	1493
	88398
North Central Weed Control Conference	9895
	60975
North Dakota Academy of Science	7996
	41123
North Dakota Crop and Livestock Reporting Serv	31160
North Dakota Dept of Agriculture	40930
Div of Cooperatives	
North Dakota Dept of Agriculture and Labor	39100
North Dakota Farmers Union	85419
North Dakota Institute for Regional Studies	66923
North Dakota Livestock Sanitary Board	62436
North Dakota State Hail Insurance Dept	66433
North Dakota State Laboratories Commission	76673
North of Scotland College of Agriculture Agricultural Economics Dept	40679
Crop Husbandry Dept	77879
	77880
North of Scotland Hydro-Electric Board	47607
North Rhine-Westphalia Statistisches Landesamt	30328
North Tipperary County (Ireland) Committee of Agriculture	76674
Northam J I	74919
Northcote D H	25146
	43031
	51542
Northcott P L	90396
Northeastern Conference on Avian Diseases	37072
	37073
	46014
	72659
Northeastern Corn Improvement Conference	1494
Northeastern Dairy Conference	65372
Northeastern Forest Fire Protection Commission	10840
Northeastern Forest Soils Conference Committee on Site Classification	35819
Northeastern Forest Tree Improvement Conference	71245
Northeastern Loggers Association Utilization Div	35975
	35976
Northeastern Logger's Congress	19118
Northeastern Loggers' Congress	79448
	90337
Northeastern Resources Committee	15508
Northeastern Weed Control Conference	17765
	17764
	52272
Northen R T	89060
Northern Counties Animal Diseases Research Fund	4142
Northern Ireland Milk Marketing Board	22049
	83835
Northern Ireland Ministry of Agriculture	1528
	1529
	1730
	1731
	1886
	1887
	1888
	1889
	1890
	1954
	3060
	3061
	3167
	3528
	3620
	3940
	4004
	4220
	4543
	4819
	5850
	7148
	18987
	32197
	34365
	66610
	69782
	69857
	71683
	71946
	72202
	72203
	72475
	72476
	72660
	72661
	72735
	72736
	74294
	76420
	78220
	83245
	85468
	86271
	94853
Northern Ireland Ministry of Commerce	32392
Northern Ireland Pigs Marketing Board	84657
Northern Nut Growers Association	17402
Northern Rhodesia Dept of Lands	85559
Northern Rhodesia Dept of Veterinary and Tsetse Control Serv	3168
Northern Rhodesia Forest Dept	18695
	79089
Northern Territory (Australia)	7521
	85420
Northern Territory (Australia) Admin Animal Industry Br	27490
Northwest Farm Equipment Journal	64792
Northwest Highway Engineering Conference	60976
Northwest North Carolina Development Association	57850
Northwest Scientific Association	67160
	86123
Northwest Wood Products Clinic	19198
Northwestern Lumbermens Association	19219
Norton	47972
Norton C L	3037
Norton D C	87130
Norton G	87847
Norton H W	12118
	36770
	45786
Norton J	61554
Norton J D	1703
Norton R A	64891
	74116
Norton R W	6959
	14366
Norum E M	44411
Norup S B	77961
Norval J	62513
Norwacki E	69228
Norway Helsedirektøratet	11305
Norway Landbrukets Priscentral	30268
Norway Landbruksdept	11383
	57690
Norway Landskogtakseringen	90048
	90049
Norway Radet for Jordbruksforsok	51606
Norway Skogvesenet	18696
Norway Statens Frøkontroll	75704
Norway Statens Kornforretning	15387
	88399

	Item
Norway Statens Landbrukskjemiske Kontrollstasjon Oslo	76675
Norway Statens Plantevern	23748
Norway Statens Stambokkontor	80061
Norway Statistisk Sentralbyra	2585
	23435
	30329
	32133
	32393
	39101
	39102
	39103
	39104
	40314
	47306
	48115
	49002
	49611
	66474
Norway Universitetsforlaget	23749
Norway Veterinaerdirektorate	3169
	19534
	36304
Nosal G	53976
Nosal' I M	59539
Noseda V	28454
Nosek J	5632
	73171
	92667
Nosier M A	69026
Nosin V A	18176
	78483
Noskiewicz J	5311
	5312
Noskov A I	20081
	20593
Noskov N M	36624
Nosov A K	10250
	25029
Nosov D K	35442
Nosov P V	18016
Noskova F G	59569
Nosti J	75073
Nosulenko V S	7273
Nosyrev V I	44868
Nota N R	54387
	91078
Notani N K	858
	915
	42600
Nothdurft G	9332
Notini G	73527
Notkina L G	94060
	94061
Nottebohm A	36305
Nottingham P M	72204
Nottingham University Easter School in Agricultural Science	63604
Nottingham University School of Agriculture Dept of Agricultural Economics	85870
	5851
	58033
Noufou S	71882
Nour J J	68031
	68032
Nour M A	68031
	68032
Nova Scotia Dept of Agriculture and Marketing	67018
Nova Scotia Dept of Lands and Forests	53152
Novak A	88155
Novak A F	24970
	27268
	48844
Novak A G	23423
Novak E K	24095
	86353
	86578
Novak F	41757
	50375
Novak F A	76872
	86405
Novak I	13017
Novak J	75762
Novak K	21028
	80388
Novak M	26828
	74154
Novak V	20902
	73387
Novak V J A	92232
	29187
	29259
	29547
	29548
	29549
Novakova E	29260
	44599
	92230
Novakova-Pfeiferova J	67882
Novakovic V	67974
Novakovskaya E S	27310
Novakovski E	36067
Nove A	7522
Novellie L	13655
	47859
Novembre D	22309
Novicky S	82624
Noviello C	33277
	24315
	50760
Novik A I	4186
Novik I E	46015
Novikoff G	50616
Novikov A	13222
Novikov A A	9586
	17298
Novikov A I	13301
Novikov A L	94909
Novikov B G	3830
Novikov B P	92830
	92843
Novikov D	13181
Novikov D R	69858
Novikov E A	62619
Novikov G S	89915
Novikov I I	27220
Novikov M A	61086
Novikov M S	11437
Novikov P	74117
Novikov P A	62062
	83095
Novikov V	14513
	22126
Novikov V A	59540
	60079
	92707
Novikov V K	59114
Novikov Yu	15011
Novikov Yu N	7620
Novikova A A	71246
Novikova A N	80861
Novikova A V	88544
Novikova L S	89806
Novinskii Yu S	33278
Novitskaya Yu E	68791
Novitzky S	38397
	38398
Novkovic C	67120
Novoa A F	30834
	84578
Novobrantsev F K	92974
Novoded M F	92064
Novogrudskaya E D	70917
Novokreshchenova N S	20678
Novosad A	69622
Novosad A C	1495
	1530
	69400
Novoselov Yu K	73240
Novoselova A S	60557
Novotel'nov N	56665
Novotel'nova N S	86579
Novotna-Vesela I	25030
Novotny J	59021
	67883
	73197
	73213
	86760
Novotny L	13432
	74392
	88197
	88198
Novotny M	26678
Novotny S	36437
Novotny V	26900
	71153
	79330
Novozhilov V F	5721
Novruzov Ch M	61360
Novruzova Z A	90485
Novskii V A	15638
Novskov F	15012
Novy J	62856
	80389
	90853
Novykov B H	46016
Nowacka B	41747
Nowacki E	25228
	43014
	60344
	67455
	68453
	68485
	68496
	68497
	69229
	69238
	69553
	86460
	88199
	88200
Nowacki J	27965
Nowak A	7083
Nowak E	73103
	80756
Nowak H F	59834
Nowak J	8306
	33538
Nowak K	13968
	36142
	27162
Nowak K--Cont	27172
	45160
	53694
	62073
	62137
	62188
	62237
	65620
	71566
Nowak M	88634
Nowakowska J	66144
Nowakowski K	6812
Nowicki B	71940
	81165
Nowicki K	45821
Nowicki W	94145
Nowinski M	25926
Nowland J L	35589
Nowland P G	68311
Nowland P R	20476
Nowosielski J	73873
Nowosielski O	10251
	24894
	25031
	26080
	26081
	26082
Noyes J H	61706
Nozaki C	30835
Nozaki M	88183
Nozar M	89964
Nozawa K	90504
Nozdrunova E M	2202
	10115
	10116
	70267
Nozhchev S V	54692
	54732
	63214
Nozhkin M	29944
	47380
	83204
Nozicka J	18752
	44555
	89992
Nozu M	24610
Nozu Y	16362
Nozynski A	26604
	89612
Nubaryan F M	87566
Nuchtern H	64959
Nucic A	47796
Nuding H	39538
Nuernbergk E L	52045
Nuerurer H	8503
Nuesch B	86872
Nuessle A C	13986
Nuffer L G	76264
	76265
	76266
Nuffield Foundation	94956
Nugara D	20254
	72662
Nugteren D H	67111
Nugteren J	44412
Nultsch W	60080
Numans S R	45620
Numata M	33539
Numberg M	55717
Nummi M	57143
Numminen E	35770
Nunberg M	64363
Nunes J A P	15443
Nunes J F R	12700
Nunes M	66565
Nunes W O	24219
Nunes W T	74443
Nuñez J A	5026
	73754
Nunez O	82895
Nunez Escobar R	89731
Nunez R M	88611
Nunn W M	43197
	44124
Nunn W R	62266
Nunnally D A	80856
Nunns F K	23189
	76332
Nuno M	69230
Nunome J	4857
	4858
Nuorteva P	37575
	38311
	38328
	38329
	28894
	28895
	29550
Nuraliev A N	13987
Nuray H	35626
	90295
	31161
	65908
	94494
Nurgel'dyev O N	92307
Nurmakov N	70792
Nurmatov A	51675
Nurnberg-Kruger U	16466
Nurse J H	40120
Nurse J P	22775
Nury F S	22342
Nusbaum C J	50529
Nuse K H	30199
Nushdin N I	46081
Nuskern M	83970
Nusov N I	19668
Nussbaumer J	40782
Nusshag	32550
Nusshag W	3170
Nüsslein F	10805
Nut Growers Society of Oregon and Washington	69797
Nuti-Ronchi V	792
Nutman F J	33279
	67884
	86873
Nutman P S	61226
Nutt P	91234
Nutt P A	89061
Nuttall E P	2925
Nuttall M J	82656
Nuttall V W	22434
Nutter C A	85229
Nutter F J	71919
Nutter W	13988
	56895
	65635
	93507
Nutting A D	71245
Nutting G C	65101
Nuttonson M Y	673
	57851
	68161
Nutzel K H	91079
Nutzmann H	36306
Nuzhdin A S	37882
Nuzhdin N I	42753
	45848

	Item
Nuzhdin N I--Cont	68328
Nyarady A	67885
	68914
Nyasaland Agricultural Production and Marketing Board	14896
Nyasaland Dept of Agriculture	23750
Nyasaland Dept of Forestry	2570
Nyasaland Dept of Game Fish and Tsetse Control	81556
Nyasaland Dept of Veterinary Serv and Animal Industry	19535
Nybom N	42408
	51998
	57089
	87446
Nybom O	47255
Nyc J F	34283
	51136
Nydegger L	54800
Nye E R	20667
Nye G W	7785
Nye I W B	4699
	29703
Nye P H	18075
	42754
	78679
Nye W P	46683
	73439
	73440
Nyekes I	90262
Nyhlen A	1955
	57090
Nyiredi I	19536
Nyiri L	67348
	78951
Nykanen J K	38770
Nykvist N	53284
	78444
Nyland G	87057
Nylinder P	35993
	36110
	62238
	71465
Nylund R E	10330
	52873
	78761
	89345
Nyman B	10762
Nymark M	27817
Nymbursky B	90063
Nyquist W E	42409
Nyqvist L E	27818
Nysterakis F	9091
Nystrom B	14732
Nystrom K G	36860
Nystuen P A	37318
Nytorp N	27559
Nyvander B	93282
Nyyssonen A	79165
Nzekwu O	40783
Oak J H	28024
Oakes A J	52812
	60977
Oakes H	89572
Oakes J Y	52883
	54205
Oakes R G	37395
Oakley G E	21861
Oakley J W	7195
Oakley W G	6382
Oaks A	60081
	60082
Oana S	80857
Oates A V	85560
Oates W G B	3079
	3171
	90606
Oatman E R	12582
	12935
	15961
	20837
	20838
	55503
Oba K	13440
Oba T	25032
Oba Y	28342
Obaidullah Jan	88764
O'Bannon E B	54339
O'Bannon J H	16180
Obara J	72419
	80645
Obarski J	12743
	46476
	73104
Obata Y	22337
Obaton J	48334
	65757
Obaton M	44023
Obedinennaya Nauchnaya Sessiya po Khlopkovodstvu	60493
Obee H	11384
	11436
Obeid H M	57262
	72290
Obel A L	4270
	54639
Obel N	71813
	72332
Obenberger J	46875
	46876
	46877
	46878
	46879
	46880
	46881
	46882
	55745
	79946
Obendorf R L	16012
Obeng H B	18165
	18196
Obenshain S S	76333
Ober J	13289
	38789
	56267
Oberbacher M F	49612
	64020
	65790
	65791
	65806
	65825
Oberdisse K	76620
Oberdorf	17000
Oberdorf F	34424
	88400
Oberdorfer A	79864
O'Berg A G	81557
Oberholts L E	29
Oberle G D	25623
	34648
Oberleas D	37337
Oberly G H	78035
Oberly G	9626
Obermaier M	53699
Obermeyer A A	67486
O'Berry P A	36561
Oberst F H	45318
Obi Y	85103
Obien S R	52320
Obieta A	76599
Obiger G	3529
	6310
	27819
	30520
Obihiro Eirinkyoku	18726
Oblatt G	17070
	74015
Obolenskii K	7523
	76040
	94146
Obolenskii K P	66133
Obracevic C	3383
	28620
	45435
Obrador R J	88557
Obradovic M	11893
	93466
Obraztsov B V	59308
	61981
Obraztsov N	13021
	92607
Obraztsov N S	21414
	47181
	82762
	92608
Obraztsov V P	6977
Obraztsova A A	60083
Obrebski S	82362
Obreiter J B	42855
Obrejanu G	18621
	78508
	78860
	89732
Obrenovic M	78861
Obrezhanu G	89866
O'Briain A E	91438
O'Brien C B	76767
O'Brien C W	4646
O'Brien E J	93048
O'Brien G W	65452
O'Brien J	26656
	28502
	36372
	85561
O'Brien J T	6185
O'Brien M J	86823
O'Brien R D	4404
	12356
	15509
	28896
	82070
O'Brien S J	56896
O'Brien T P	1174
Obrtel R	4405
	92102
O'Bryan M S	3344
Obukhov A D	35518
Obukhov A I	10056
	78401
	78402
Obukhov P F	76639
Obukhova A D	3384
Obukhova V M	41518
Obwalden Oberforst Amt	2599
O'Byrne J C	7697
	23061
O'Callaghan J A	85562
	85754
O'Canada R O	3146
O Carra P	88201
O'Carroll F M	88289
	91080
	91933
O'Carroll N	79331
Ocetkiewicz J	46082
	72384
	72763
Ocfemia G O	50332
Ochaba R	89807
Ochakovskii S	91886
Ochakovskii Z M	12144
	36658
Ocheretyanyi A	5770
Ocheretyanyi A I	47476
Ochi H	58753
Ochi K	4768
Ochi M	88632
	88633
Ochi Y	54544
Ochilova M	44032
Ochkina I I	20082
Ochomogo E	80062
Ochs G	77248
Ochs R	8881
Ochtering M	74864
Ockelmann K W	64231
O'Connell D C	82102
O'Connell R A	84086
O'Conner M	62350
O'Connor D J	36439
O'Connor K F	70609
	70610
	70611
	77395
O'Connor L K	36438
O'Connor P M	19903
O'Connor R	22567
O'Connor R T	7051
	7074
	84087
O'Connor W J	31863
Ocsag I	63162
Ocskay-Clonaru S	27193
Oda K	33028
	34094
Oda T A	81735
Oda Y	49954
	84936
Odajima T	2739
O'Daniel W	14174
	29908
	47477
Odden N T	74295
Oddo F	28824
Oddo G	31748
	31749
	40363
	49057
Oddo G--Cont	49398
	85755
Oddone P	46723
Oddoux L	9084
Odegaard C E	86354
Odegard A K	28564
Odelien M	90162
Odelin H	6547
	22244
O'Dell B L	28135
	37337
	46001
	90540
Odell G	80287
O'Dell G D	27928
Odell G V	80203
O'Dell H	8263
Odell R L	27170
Odell R T	51035
O'dell W T	74731
Odelstierna I	67223
Odeneal J	4406
Odeneal J F	91963
Odenwald N	17488
	78123
Odey G W	6885
Odglen G E	46477
Odhiambo T R	64510
Odic M	86874
Odintsov P	27187
	36145
Odintsov P N	27183
	62143
	71579
Odintsov V	17605
Odintsov V S	29456
Odland M L	43636
	52118
Odmark G	68915
O'Donnell A R	2691
O'Donnell E H J	793
O'Donnell I J	6548
O'Donnell J A	49613
	57550
O'Donnell I J	84037
O'Donnell P E	7901
	15388
O'Donoghue J G	4271
O'Donohue R F	7669
O'Donovan M B	1362
	6421
O'Donovan S	47324
O'Driscoll E P D	10400
Odum E P	38544
Odum H T	33494
Odum S	23887
Odynets R	12074
Odynets R N	53956
	72072
	72205
	72869
Oebker N F	50981
	69971
Oeda M	26039
	26508
	26509
Oehen F	76492
	94735
Oehen V	48082
	83917
Oehler E	66790
	87447
Oehlkers F	910
	16467
Oehme F W	45836
Oehme H	51850
Oehring M	10149
Oei Hong Peng	37732

	Item
Oelhafen F	29507
Oelker G	89062
Oelrichs B A	4104
Oelschlager W	91807
Oertel A C	61285
Oertel J	44987
Oertle J J	78978
Oertli J J	1175
	18322
	26634
	51181
	53081
	70902
Oertzen H U von	27560
	76041
Oertzen-Becker E von	57852
Oeser R	12968
Oesert K	14096
	14613
	14614
	39622
	39623
	48930
	75145
Oesterle P	65047
Oestreicher B	75217
Oeth T	31001
Ofat E A	92844
Offaly County (Ireland) Committee of Agriculture	75576
Offengenden S R	70843
Offerhaus H	23751
Office International de la Vigne et du Vin	39187
	47860
	74611
	77643
	83676
	83677
Commission I	51250
Commission III	65322
Office International des Epizooties	11249
	11306
	46684
	46685
Officer R	72895
Offner	44889
Offner H	79398
Offord H R	58878
O'Flaherty F	6886
	6976
	7007
	39897
	39926
	40008
	48709
	84700
O'Flaherty W A	23062
Ofukany L	62435
Oga-Wa S	1123
Ogaki C	29569
	31021
Ogandzhanyan A M	46401
	82179
Oganesyan A P	51251
Oganesyan M A	81100
Oganov G	70612
Oganov G M	18098
Ogarkova T V	45158
Ogart A	37863
	37864
Ogasawara F X	3839
	91605
Ogasawara N	77188
Ogasawara R	9092
	77644
	79332
Ogasawara S	27405
Ogata G	17912
	51159
	52434
Ogata K	31045
Ogata Y	38984
Ogawa H	50617
Ogawa J M	457
	6717
	6727
Ogawa K	21065
	21066
	29316
	34546
	39078
	91371
	94238
Ogawa M	84797
Ogawa T	68916
	68917
Ogayu K	61552
Ogborn J E A	17101
	73228
Ogden E C	15660
Ogden J G	2550
Ogden P R	12100
Oger M	72274
Oger Y	71814
	80162
Ogg C L	94089
Ogg J E	37259
Ogg J S	4272
Ogg S	89063
Ogg W	57750
Ogg W G	58420
Ogi J	2775
Ogielski L	14419
	93814
Ogievskii V V	26901
	35820
Ogilvie F B	45780
Ogilvie L	41851
Ogilvie-Grant M	67349
Ogimoto K	27433
Ogita T	75016
Ogita Z	28795
	28796
Ogiwara Y	2926
Ogle J A	73388
Oglesby R D	64175
Oglio A dall'	45646
Oglio C dall'	14733
	40853
Ogloblin A A	21339
	29610
Ogloblin E	62855
Ogloblin E S	38817
	66717
Ogluzdin S D	60084
Ognyanov I	25233
	34310
	68625
Ognyanov J	31396
	68616
Ognyanova A	28087
Ogol' N I	25033
Ogolevets Ya G	86482
O'Gorman H	39573
Ogoshi Y	30214
Ogren K E	65133
	7956
Ogrim M E	66773
Ogrissek R	13200
Ogryzkov E	21596
	29909
Oguchi N	6576
Oguni H	53957
Ogura H	1176
	77084
Ogura T	2875
Ogura Y	78299
	78319
Oh W K	78680
O'Halloran M W	62697
Ohama F	78862
Ohara T	11993
	37074
Ohashi H	51541
Ohata H	69397
Ohata K I	86972
Ohba K	10788
	33693
	35821
	61949
Ohba T	76966
Ohbayashi K	92396
Ohbayashi M	28534
O hEocha C	88201
Ohi Y	29228
Ohio Cooperative Wildlife Research Unit	28797
Ohio Dept of Agriculture Div of Plant Industry	66295
Ohio Dept of Highways	52046
Ohio Dept of Natural Resources Div of Lands and Soil	67161
	18197
	18198
	26171
	78509
Ohio Seed Improvement Association	7215
	36205
	84977
Ohio State University Dept of Agricultural Economics	57712
Ohio Vegetable and Potato Growers Association	1891
Ohira H	92397
Ohishi I	20013
	27380
	28025
	36811
	91235
Ohkawa K	31864
Ohkura S	19345
	90486
Ohlenroth K	60054
Ohlmann J	71439
	79482
Ohlrogge A J	25034
	33988
	44033
	51420
	88068
Ohlson H	45436
Ohlson M A	76590
	94807
Ohlsson S	11207
	29495
Ohman C	46800
Ohman J H	8473
Ohmes G R	75568
Ohms E	90929
Ohms J I	80390
Ohms R E	41773
	43637
Ohmura T	68918
Ohnesorge	78681
	78682
Ohnesorge M	69398
	76175
Ohnishi E	25229
Ohnishi Y	51432
Ohno M	12837
	16850
	75112
	77809
	81435
	82209
	82314
	82315
	92398
	92399
Oho N	12492
	81669
Ohoka T	4859
Ohshima K	12720
	12721
Ohshima K I	91887
Ohta K	4730
Ohta T	33694
	50761
Ohta Y	34095
Ohtani R	61869
Ohwi J	67529
Ohyama Y	27277
Oi H	37939
	82180
Oien A	35172
	18034
Oieni S	2679
Oigarden A	39879
Oikawa K	33695
	34425
	48450
Oil & Fat Importers & Exporters Association	14494
Oil Paint and Drug Reporter	93925
Oishi H	42159
Oishi J	31254
Oizumi H	25032
	25133
Oja J	15775
Ojala A	57256
Oka H I	24737
Oka M	28657
Oka T	28054
Okabe N	77199
	77200
	77201
	77207
	86980
Okada F	39217
Okada I	65863
	72647
	83538
	84827
Okada K	29850
	55213
	77391
Okada M	29704
	29705
Okada T	4670
	29457
	29458
Okajima H	51252
Okajima S	30836
Okamoto H	55746
Okamoto M	3406
	16468
	24738
	45703
	50889
	50890
	61155
	80108
	80109
	80163
Okamoto R H	48946
	48947
Okamoto S	36968
	37132
Okamoto T	5006
Okamura H	31255
	75491
Okamura M	90039
Okanenko A S	25035
	87848
Okanishi T	19248
Okaniwa A	28658
	91888
Okar S	44241
Okauchi K	81166
Okazaki E	52554
Okazaki H	11260
	79623
Okazaki R	61156
Okazaki T	26502
Okazov Kh K	67350
Oke D	39300
O'Keefe P	7902
O'Keeffe P	57853
O'Kelley G L	58175
O'Kelley J C	9093
	51253
O'Kelly J	20231
	28329
O'Kennedy N D	86875
Okerman F	3867
	63245
Okhapkin K A	7437
Okhotina D N	65411
Okhova E P	59022
Oki S	11039
Oki Y	20083
Okimoto Y	441
	442
Okitsu T	13548
Okiy G E O	8154
Oklahoma Academy of Science	49764

	Item
Oklahoma Board of Agriculture	22007
	41124
Seed Feed & Fertilizer Div	18609
Oklahoma State Grange	76456
Oknina E Z	87534
Okolitenko V A	9667
Okolov F S	75405
Okonski J	3941
Okorokov I F	92889
Okoshi S	53958
	91236
Okovityi A L	62041
	79449
Okruszko H	35156
	35157
	52644
	78510
	89808
Oksanen H	19329
Oksbjerg E	26843
	90224
Oksbjerg E B	79249
Oksenenko I	74074
Oksiyuk P F	59541
	87849
Oksner A M	68162
	68163
Oku H	41852
Okuaki S	30837
Okubo K	37513
Okubo O	31397
	31417
Okuchi S	70638
	70639
Okuda A	51254
	52616
	52617
	52618
	60067
	61135
Okuda M	4766
Okudai N	69717
Okuhara A	75569
Okui K	38714
	74100
Okulov V P	55809
Okuma M	45036
	71497
	71498
Okumura G T	20749
Okumura K	30949
Okun' G S	29969
Okunev P P	20903
Okunev P Ya	7547
Okuneva V V	62806
Okuniewski J	68498
Okuno H	32665
	33666
Okuno T	76814
Okuntsov I	11835
Okuntsov L P	54801
Okunuki K	77809
Okutani T	47109
Olaczek R	32831
Olafson G	15389
	32054
	43413
	48379
	49614
	49615
	60642
Olafsson G	15925
Olah I	63377
	74296
Olah J	38819
	90505
Olah L V	59542
Olaitan S A	51542
Olaivar S F	63246
Olalla E	54864
Oland K	2204
Olangiu M	59038
Olasveengen R	6718
	52119
	60812
Olatzky B	93508
Olberg R	16181
	44768
	61873
Olbrich H	10252
	48931
	83678
	85056
Olbrycht T	80709
Olbrychtowa F	80710
Olcay A	62213
Olczyk C	43996
Olden E J	1704
	51953
Oldenkamp L	15926
Oldfield J E	3062
	4215
	12153
	36847
	54905
	62877
	63102
Oldfield J F T	7243
	9253
Oldham H G	49732
Oldham Master Cotton Spinners' Association	39539
Oldroyd H	21173
	55810
	82411
Olds D	3290
Olds J	2318
	26311
	52870
	61668
	70932
	89959
Olechnowitz A F	11307
Olefir K	94518
Oleinik V I	57944
Oleinikov L V	57767
Oleinikova T V	25036
	34096
	60085
	60086
Oleinikova V I	79217
Oleinikova V M	86690
Olejnik J	48809
Oleksiak W	34679
Oleksandruk A M	88098
Oleksynowa K	18600
Olendskii V I	18334
	88202
Olenev A M	79117
Olenev V A	29851
	56290
	83009
Olenik F	47353
Olenin F S	63467
Olenin V I	3777
Olenov Yu M	49765
Olered R	6813
	57174
Olesen J	7786
	8049
Olesen J--Conf	51785
	79013
Oleshko K S	45214
Oleshko P M	87787
Oleshko V M	88912
Oleskie E T	27681
Olieman K	30076
Olien C	85756
Olien C R	1177
Oliferov A N	89458
Olifson L E	27310
Olimpienko G S	66657
Olin F	28013
Olin G	60027
Olin R W	26991
Olio D dall'	34631
Oliva E C	84080
Oliva O	80063
	80064
Oliva Aleman J	92103
Olivati J	28957
Olive B M	79014
Olive L S	292
	851
	24625
	33581
	58802
Oliveira A L F de	44769
Oliveira A S de	53790
Oliveira B d'	24316
	50376
	77154
Oliveira J G de	16673
	51255
Oliveira M M de	9298
Oliveira S J de	64047
Oliveira V G de	78049
Oliveira W de	1800
Oliveira Santos J	39188
Oliver A D	29020
Oliver A T	69256
Oliver B	17850
	61027
Oliver F	90127
Oliver F L	19669
Oliver G C	51629
	51654
	51655
	51712
Oliver I T	60349
Oliver J	45644
	45647
Oliver J H	55697
Oliver R W	9744
	89064
Oliver S A C	80053
Oliver W W	44783
Olivera A de J	22715
Oliveri C	40315
Olivier H	89867
Olivier R	21415
	82763
Olivieri C	65713
Olivry C	77015
Oll U	81175
Oll' Yu K	54207
Ollagnier M	15927
	78691
Ollat C	61157
	61343
Ollenburg E	19161
Ollerenshaw C B	12145
Olley J	4731
Ollier A	49257
	76176
Ollier A--Cont	93463
Ollis W D	49955
	51446
	51543
	51548
	77772
Ollivier A V	15510
Ollivier L	54999
Olmo H P	34593
	51885
Olmstead C V	74504
Olmstead R E	80164
O'Loughlin G T	81713
O'Loughlin J B	93660
Olney C E	56971
Olney G	56105
Olney V W	70075
O'Loan J	76308
Olofsson P	32832
Olofsson S	4090
Olomucki E A	48550
Oloufa M M	63476
O'Loughlin D B	56781
O'Loughlin J B	51936
Olsansky C	6383
Olschewski H	13400
	60544
	77962
Olschowy G	18244
	49956
	69859
	76334
Olsen C	33540
Olsen C C	52793
Olsen E M	22069
Olsen F	92779
Olsen F J	16469
	88401
Olsen H	11794
Olsen H C	18989
	44809
Olsen H M	32321
	91619
Olsen L P	2551
Olsen M W	54693
	80858
	91372
Olsen P F	12402
	27129
Olsen P M	36659
Olsen R W	57091
Olsen S E	24007
Olsen S R	18017
	43988
	51409
	70282
Olsen Publishing Co	83918
Olsgaard R B	36988
Ol'shanova K M	14495
Ol'shanski M A	94957
Ol'shanskii M A	15602
	41233
	49896
Ol'shevskii P	39262
Ol'shevskii Ya	79559
Olsman H	88015
Olson A	81295
Olson A R	17637
	52161
	52163
Olson C	2061
	27820
	37036
	37044
	80450
Olson C E	61799
Olson D	38954
Olson D F	10656
	35836
Olson E	75017
Olson E O	8608
	59167
Olson G	3868
	32237
	47745
	72547
Olson G C	83205
Olson G H	20758
Olson H	62725
	62782
	62857
Olson J C	56636
	13748
Olson J M	88203
Olson J W	16239
Olson N F	6235
	65426
Olson N O	3443
	54911
	72619
	72663
	80261
	91451
	91534
Olson O E	3928
	11904
Olson P J	31844
Olson R	43730
Olson R A	10296
	18099
	25230
	26261
	44220
	52852
	60345
	65765
	70613
Olson R O	13489
	58270
Olson R P	13278
Olson R W	31162
Olson T A	48551
Olson T C	52427
Olson W A	11645
Olson W C	54577
Olson W Z	36010
Olsson A	27821
Olsson B	12267
	28677
	55000
	72954
Olsson G	1633
	94239
Olsson K	77155
	80757
Olsson O	44642
Olsson S	36079
Olsson S E	45771
	72320
	72333
	72334
Olsson T	65412
Olsuf'ev N G	82412
Olszenko-Piontkowa Z	31599
Olszewska I	68763
Olszewska L	10253
Olszewska M	25037
Olszewski H	32451
	39836
	84495
Olszewski J	45072
Olszewski Z	18195
Oltean M	67574

Olteanu G 94062, 94063
Olthof E 48458, 57092, 57093
Oltjean R R 12094
Oltjen R R 63425, 63426, 79697, 90541
Oltmann W 77881
Oltmanns O 5469, 73845
Olvegard P 10254
Olver E F 64822
Olvera Herrera M 37035
Omaha Grain Exchange 48552
Omaha World-Herald 38916
O'Malley W P 39189
Omans W B 49723
Omar A R 20023, 45648
Omardeen T A 4407
Omarov M 71996
Omarov O O 37230
Omarov Zh O 91714
Omarova E I 68755
Omaru T 33456
O'Mary C C 27561
Omatsuzawa T 41853
Ombach M 60360
O'Mear D 79552
O'Meara D C 45960, 63273, 63274
Omel'chuk T Ya 86483
Omer S 23452
Ometto D A 89350, 89351
Omidvar A M 50551
Omori T 11646, 53901
Omre A 61028
Omsetningsradet 21826
Omtvedt I T 37427, 91777
Omukai S 51140
Omuki A 65636
O'Mullane T 74732
Omura H 55628
Omura S 6549, 73494, 82053, 82054
Omura T 34309, 25231
Onaka Y 55131
Onate L U 39969
Onderscheka K 73037
Ondracek J 40009, 40010
Ondrejka J 63788
Ondro S 88635
O'Neal W J 62096, 71441, 71442
O'Neil J B 28217, 72548
O'Neil J M 1956, 52273, 89352, 89353
O'Neil L C 37813
O'Neill A R 12146
O'Neill D K 4544
O'Neill L A 22716
O'Neill P 6343
O'Neill R E 6639, 93565
O'Neill T B 794
Ones N 57120, 57121
Ongun A 60198
Onikura Y 18227, 52568
Oninonen E 21302
Onisi H 47442
Onisimov I A 83084
Onis'kiv N I 26902
Onisova V D 87850
Onitzchowa K 69860
Onley J 27648, 75118, 83026
Onna K 48904, 48932
Onno M 10669
Ono H 25038
Ono K 458, 30793, 68526
Ono R 13965, 39511
Ono S 7524
Ono T 34408
Ono Y 33241, 87405
Onochie C F A 16240
Onoda K 51256
Onofrio P 49559
Onogaki T 84828
Onooka T 30837
Onorin P 15013
Onozawa Y 24728
Onsager J A 4647
Onstad O 11803, 11804, 54590
Onstott E L 34923
Ontario Agricultural College 32198, 77882
Bankers' Summer School 23020
Ontario Cheese Producers' Association 74673
Ontario Dairy Herd Improvement Association 72275
Ontario Dept of Agriculture 6085, 34583, 70614, 76677
Conservation Br 10574
Farm Economics and Statistics Br 27562, 45726, 76274
Ontario Dept of Commerce and Development 32117
Conservation Br 10150, 10454
Ontario Dept of Lands and Forests 40597, 40598
Ontario Hydro-Electric Power Commission 5892
Ontario Soil and Crop Improvement Association 34366, 77842
Ontario Stallion Enrollment Board 54608
Ontario Veterinary College 36308
Ontiveros Hernandez D 34560, 52983, 78001
Onufriev A F 9480, 35615
Onuma K 70211, 70829
Ooi J B 31502
Oomen A J M 6186, 74674, 83729, 86001, 86002
Oomen C J F 57908
Oomen H A P C 49679, 49733
Oomen H C J 8131
Oomen P K 51112
Oommen M A 15150
Oommen P K 61158, 78373
Oorschot J L P van 42755
Oosten A van 34646, 34647
Oostenbrink M 617, 16182, 59215
Oostendorp D 2319, 10255, 44242, 62688
Oosterbroek A 47264
Oosterhoff P 93609
Oosthuizen J C 30628, 47911
Oosting M 47660
Oostra A D 66806
Ooststroom S J van 8180, 8181, 41336
Oota Y 51257
Opacic I 2855
Opalic R 89733
Opalko G P 92764
Opalsky C D 21893
Oparin A I 56564
Opava J 86272
Opdahl M E 54119
Opel E 64176
Opel H 20248, 20249, 42015, 77249
Opheim M 5492
Opichal M 55106
Opitz E 13371
Opitz G 85301
Opitz K 60659
Opitz M K 28026
Oplatka G 8767
Opler P 73846
Opletalova L 45498
Opol'nova G V 90453
Oppenheimer C 42756, 43387
Oppenheimer H L 65982
Oppenheimer H R 34097, 60087
Oppenoorth F J 28798, 63734, 81386
Oppermann E 23404
Oppitz H 53406
Oppland Landbruksselskap 76678
Opravil E 41297
Oprea C V 89626
Opris L 89626
Oprisan N 2337, 89763
Oproiu E 6840
Oprya Zh 9414
Opsahl B 34514, 20750
Opsal A 41193, 49820
Oram J D 48090, 83780
Oram P A 25039, 43779
Orav T 24739
Orban V 70793
Orbell S F W 35547
Orchard B 42
Orchard E R 35370
Orchard W J H 57530
Orchard W R 50525
Orcival J 16851
Ordal Z J 57272, 74399, 83343
Ordin A P 44034, 75332
Ordin L 9109, 34253, 51258
Ordonez M 2522
Ordway E M 38917
Ordynskii L L 20958
Ordynsky G 66226
Orebro Lans Hushallningssällskap 32504
Oredsson A 58597
O'Regan W G 2630, 25043
Oregon Dept of Agriculture Div of Plant Industry 22941
Oregon Entomological Society 55158
Oregon Essential Oil Growers League 75570
Oregon Seed Growers League 1430
Oregon State Horticultural Society 34584
Oregon State University Farm Crops Dept 85421, 25466
Mint Wilt Research Project 67886
Oregon State Water Resources Board 18512
O'Reilly H J 392
O'Reilly K J 79765
Orekhov A M 5704
Orekhov M D 71815
Orell B L 62002
Orellana R G 59108
Oren R 4700
Orescanin D 10539
Oreshkina A E 30430
Oreskovic A 54545
Oresteen D F 53072, 56817
Orfei Z 54370, 54462, 62437, 80637
Orfila R N 29706, 29707
Organesyan S G 42410
Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek SEE Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek
Organisation for Economic Cooperation and Development 57764, 58378, 62156, 66566, 75495
Statistics Div 23100
Organisation for European Economic Cooperation 6086, 14437, 23502, 23619, 76545
European Productivity Agency 6938
Div for Technical Action and Productivity in Agriculture and Food 14897
Ministerial Committee for Agriculture and Food 14898, 40500
Organismo Internacional Regional de Sanidad Agropecuaria 15511
Orgels B 85170
Orgiyan B A 33977
Orian A 12838
Orian A J E 37485, 63776
Orian G 77208
Orieux L 349, 459
Orihuela A 81442
Orillo C A 9299
Orillo F T 52358
Orishchenko A D 63939
Orita Y 91326
Oritz S F 88636
Orizet L 39190
Orlandella V 54802, 62438
Orlando A 28974, 29096, 29120, 55398

	Item
Orlando A--Cont	92174
Orlando G	76042
	76493
	93079
Orlando J R	42093
Orleans L A	7787
Orleanskii V K	61186
Orlenko E G	77394
	86484
Orliacq C	19513
Orlikova T A	10256
Orlob G B	4648
	4649
	5250
	8601
	12936
	55438
Orlob G T	2238
Orlos H	16241
Orlov A F	45550
	81020
Orlov A V	19740
Orlov D S	52533
	89517
Orlov E S	28152
	79865
	79866
Orlov F B	18988
	78302
Orlov G M	71377
Orlov I I	90438
Orlov I V	20869
	79944
	90675
Orlov L M	55579
Orlov M I	89065
Orlov S A	13549
	83636
Orlov S D	62409
Orlov S M	14785
Orlov V	52120
Orlov V P	19564
	63848
Orlov V T	68919
Orlova I V	12722
Orlova L P	26083
Orlova N I	15776
Orlovskaya K I	75117
Orlovskii G M	78303
	78511
Orlovskii N I	25519
	78002
	88765
Orlovskii V B	78304
Orlowska J	77070
Orman H R	79572
Ormerod J G	1178
Ormerod K S	1178
Ormerod W E	81606
Ormiston E E	20355
	80239
Ormond J	93842
Ormond W T	59309
Ormrod A N	63027
	91237
Ormrod D P	25040
Ormrod J F	35025
Ornduff R	99
	15698
	50762
Ornes C L	7008
Ornyanov I	34300
Orobinskii I I	53791
Oropeza Perera D	62422
Orosz I	94556
O'Rourke C E	65323
O'Rourke E N	1689
O'Rourke F L S	9704
	9792
	17397
	51419
Oroszlány I	70794
	70795
Orozbaev T	10257
Orozco Pinan F	32505
Orpurt P A	50120
Orr E	83620
	84829
Orr G F	8302
	50127
	59995
Orr H	1801
Orr H P	35371
	60763
Orr J	3624
	36382
Orr K J	15444
Orr N	7952
	22640
Orr P W	12645
Orr R	25532
	39970
Orr R C	9391
	14636
Orr R S	6597
	22245
	48193
Orraca-Tetteh R	15445
Orrell C D	53200
Orsag V	94512
Orsatti G	80738
Orsenigo J R	9896
	9897
	9898
	9899
	16819
	41674
	43101
	63908
	78221
Orsenigo M	8504
Orshan G	77645
Orsi E W de L	77646
Orsi S	89734
Orstadius K	12272
	37384
Orszagh V	72552
	72737
Orszagos Anyagmozgatasi Anket	30292
Orszagos Erdeszeti Egyesulet	18653
Ortega I V	5852
	79698
	79699
Ortega Nieto J M	88874
Ortega T E	89726
	89754
Ortego A	6048
Ortego A J	48083
	83428
Orten J M	93308
Ortenblad A	71947
Ortenzio L F	21893
	30950
Orth A	11520
	19748
	36193
	36660
	45215
Orth A--Cont	62689
	72044
	72045
Orth G	28027
Orth G M	24626
Orth H	41675
	43871
Orth P G	61423
Orth W A	4820
Orthmann K	69582
Ortiz I	55320
	82413
Ortiz J C	9962
Ortiz P C de	14462
Ortiz C M	19334
Ortiz S F	88637
Ortiz Velez J	10341
Ortiz Villanieva B	52813
	57551
	61416
Ortlepp R J	63163
Ortman E E	20751
Ortolani A A	33474
	89792
Orton E R	67769
Orton J	93794
Ortona U	57854
Orts F A	22617
	62545
Orud I	54208
	62662
	72011
Orudzhev A	69481
	69482
Orudzhev A K	14899
	42757
Oruzbaev A U	7621
Orvidas L V	20519
	55107
Ory R L	40069
	88204
	88205
Os F H L van	9963
	61029
Osaci P	33158
	41745
Osada I	20748
Osada K	77686
Osada T	67543
Osaka Cotton Economics Research Institute	13989
Osakabe I	31642
Osaki M	29012
Osaki R	89993
Osawa T	42758
	68920
	68921
Osbaldeston G F	76546
Osborn B	61629
Osborn B O	89916
Osborn H G	46150
Osborn J	10000
	43912
	52428
	78863
Osborn J F	10005
	10403
	35277
Osborn K H	2552
Osborn T G B	58421
Osborne A D	54546
Osborne D J	16648
Osborne H G	11647
Osborne J C	4202
	45336
Osborne L D	10972
Osborne L E	38726
Osborne L M	13141
	13142
	94854
Osborne M P	92308
Osborne P	12891
	46478
	73243
Osborne R	3831
Osborne R E	13703
Osborne T S	42411
Osborne W B	54952
Osborne W W	24472
Osborne-White W S	37272
Osburn M R	4701
Osburn M W	19884
	36661
	37394
Osburn V R	37814
Oscarsson G	58034
	76177
	85563
	85564
Oschmann H	73441
	87851
Ose E E	28239
Osebold J W	37576
	72227
Oseledets N N	88800
Osepaishvili A A	13248
	47307
	56086
Oser B L	15603
	30227
	65166
	83477
Oseri Y	15902
Osgood C E	4652
Osgood E A	12631
Osgood S B	20668
Oshchepkova E P	79553
O'Shea J	93815
O'Shea J D	91238
Oshima C	21221
Oshima H T	49173
Oshima K	26510
Oshima M	51230
Oshima N	572
	77250
Oshima Y	16242
	16243
	33541
	59310
	75101
Oshovskii A N	18901
Oshurkov Yu M	79474
Osikovski E	11987
	11988
Osikowski M	72808
Osin A E	2320
Osinga F W	13808
	30666
	74842
Osinska J	87852
Osinska Z	28555
	81215
Osipov A	94316
Osipov I G	69722
	75249
Osipov O	63765
Osipov O B	29003
	46470
Osipova E N	25280
Osipova S A	30394
Osipyan L L	41564
Osipyan V T	55314
Oskarsson M	88638
Oske G	33452
Os'kin A I	13249
	92708
Oslage H J	45521
	79708
Oslikovskaya E	15014
Oslo Papir-industriens Forskningsinstitutt	19272
Oslo Skogindustrienes Okonomiske Institutt	19199
	53594
Oslobeanu M	51989
	51990
Os'mak I T	92845
Os'makov I G	1555
	77989
Osman B	13290
Osman H	5563
Osman M F H	29611
	55214
	82447
	82448
Osmani Z H	5572
Osmaston F C	90128
Osmolovskaya V I	92234
Osmolovskii M S	45675
	56291
Osmun J V	37486
	46629
	81368
Osodo K	84361
Osolina E	45781
Osores D A	41767
Osorio G D	94064
Ospina H	84830
Ospina R H	7084
Ospina-Hernandez M	15777
Ospina Leon A	57228
Oss C J van	19537
Osse L	79250
Ossiannilsson F	21272
	21303
	21310
	28330
	82554
	92510
Osske G	16187
	21149
	24479
Osta A J	7582
Ostanin V S	74024
Ostapchik V P	10401
	89868
Ostapovich L F	42821
Ostarhild H	56230
Ostashevskii A G	6977
Ostashko F I	79635
Ostazeski S A	16425
Ostdiek J L	5633
Osteen O L	91535
Ostehandler-foreningen for Danmark	39245
Osten G	94557
Osten P	20959
	37883
Ostensson A	45513

	Item
Oster G	9300
Oster I I	29459
Osteras M	6258
Ostergaard J	52047
Ostergaard K V	62439
Ostergaard R	82477
Ostergotlands Lans Hushallningssallskap	86124
Osterhoff D R	62858
Osterlie W	40400
Ostermaier R	47458
	56087
	56180
Ostermann	84496
Osterrieth P M	20669
Ostertag H G	72870
Ostertag W	21222
Ostfold Skogselskap	89994
Ostgard O	88639
Ostgathe A	83429
Osti A L	93654
Ostifternes Land-Hypothekforening	14712
Ostler D C	28400
Ostlind N	51903
Ostmoe F	32394
Ostojic M	67351
	79333
Ostrander C E	21656
	30053
Ostrander J	48633
Ostreikovskii M M	60443
Ostrenko S G	11648
Ostric I	19119
Ostrom C E	61931
Ostromecki J	26511
Ostroumov L	65531
Ostroumov V S	58476
Ostrovidov P I	79867
Ostrovoi I P	35408
Ostrovskaya L K	52534
	42759
Ostrovskii I B	20678
Ostrovskii N I	55613
Ostrovskii N S	80391
Ostrovsky D	39445
Ostrowska I	31011
	39732
	75150
Ostrowski R	35925
Ostrowski W	84898
Ostrowsky H	56610
Ostwald R	7085
Ostwald R R	52814
Osugi T	91695
O'Sullivan D G	66185
O'Sullivan J G	53959
	54388
Osuna P	9840
Osvald F	88640
Osvald R	75754
Osvath J	911
	1540
Oswald F W	8238
	8239
Oswald W J	40229
	51061
Oswalt E S	43196
Oswalt R M	51632
	51684
Oswiecimski A	44482
	61616
Osychnyuk H Z	64559
	64560
Osychnyuk V V	15623
Osz Gy	4273
Ota H	13354
	30063
Ota I	48571
Ota K	42924
Ota M	51218
	78299
Ota M I	20652
Ota Y	1302
	25132
Otagaki K K	12099
	45626
Otaka Y	31291
Otake A	5251
Otani K	25041
	51259
Otani Y	77434
Oteifa B A	33446
	33447
	33448
	77285
Otel I	75479
Otel V	36436
Oteleanu R	16298
	59396
Otero M G R	81421
Otey F H	7086
Oteyza L G de	31865
Othmer D F	74612
Otieno N C	67887
Otobe J	85133
O'Toole M	88532
Otowski M	48769
Otsubo T	80859
Otsuka H	42994
Otsuka K	24884
	60088
Otsuka M	26897
Otsuka Y	93315
Otsuki M	49095
	49174
Ott D E	28799
	74701
Ott G L	45319
	79868
Ott J	90315
Ott J L	3738
Ott L E	5973
	21827
Ott M	83557
Ott R	5675
Ott R L	36833
	20024
Ott W H	3942
Ott W M	20208
Ottavi E	76712
Ottavi P	54884
Ottaviano E	853
	855
Ottawa River Forest Protective Association	19047
Ottaway C W	62440
Otte B	63857
Otte E	11649
	80591
Otte R	13827
Otten H G	75018
	84088
Otten R J	17693
	25901
	52211
Ottermann A	42802
Ottewill R H	54977
Otto	81347
Otto C	5956
Otto D	64561
	64562
Otto E	27929
	90930
Otto G	13223
	48709
	57303
	75480
Otto G F	80550
	80557
Otto H J	25927
Otto N E	1929
Otto R	6550
Otto W	17489
	74921
Ottonen B	55816
Ottoson H W	57175
	58092
	94156
Ottova L	54389
Ottova-Svobodova V	41854
Ottrey A J	37175
Otzen D	68329
Ou S H	63940
Ouannou J	66351
Ouanou S	73152
Ouchi K	77685
Ouchi S	21846
Oudar J	37369
Oudemans T C	44556
Oudin A	33122
	58422
	70961
Oudinet R	87131
Ouellet C E	42760
Ouellette R	26111
Ough C S	6148
	30348
	39191
	47861
	74600
	74613
Ough L D	66235
Oughi C S	83708
Ourecky D K	16470
Ouren T	9868
	76911
Ournac A	83679
Outhouse J B	54052
Outreman P	84089
Ouwerkerk C van	18396
Ouwerling H	25042
Ouyan Sh	88961
Ouye M T	82764
Ovazza M	55810
	82414
Ovcharenko V E	93926
Ovcharov E E	18513
Ovcharov K E	87540
Ovchinnikov G P	86485
Ovchinnikov N N	59543
Ovchinnikova G G	70335
Ovchynnykov M M	68330
Ovejero S	54953
Overaa P	88641
Overas E	11006
Overbeck J	42761
Overbeke M van	30769
	30838
	84089
Overby E J	30839
Overby K	23190
Overcash J P	43370
	52815
Overcast W W	6236
	30532
Overdahl C J	10258
	26312
Overgaard H	61555
Overholser J	26982
Overley C B	60444
	69622
Overman A J	58909
	59216
	59217
	59218
Overmeer W P J	81785
Overrein L	2135
Overskott S	45408
Overstreet R	8985
	33951
	51260
Overton B	22568
Overton D E	81558
Oveson M M	52880
	70685
Ovezmuradov S O	69399
Ovezova B	84090
Oviedo M A	18135
	79869
	83919
Ovington J D	8679
	50618
	53285
Ovodov N	29783
Ovsepyan A A	20386
	46142
Ovsepyan A E	89195
Ovsepyan I M	78374
Øvstedal S	58062
Ovsyannikova M N	76837
Owen B D	37395
	81296
Owen C R	27372
	54591
	80590
	81455
Owen D F	5493
	36162
Owen E C	81021
Owen F	15928
	77067
Owen F G	45514
	72046
	79700
Owen F S	40854
Owen F V	77998
Owen F W	22398
	78073
	78075
Owen H M	71570
Owen J	66174
Owen J B	4091
	28544
Owen J R	27668
Owen L N	45782
	63051
Owen L N--Cont	63052
Owen R A	22918
Owen R F	13550
Owen S P	57594
Owen W L	2321
	7274
	81683
Owens C D	73442
Owens E M	7788
Owens E W	46111
Owens H B	25753
Owens L D	9977
Owens M	59253
	59311
Owens W H	10618
Owings A	46
Owings W J	5853
	13420
	20165
Ownbey M	70
Owsley C D	61691
Owtram I H	4187
	73055
Owusu M	94958
Oxenham B L	350
Oxer D T	80646
Oxford Down Sheep Breeders' Association	46104
Oxford Farming Conference	23191
	23192
Oxford University Dept of Forestry	89995
Imperial Forestry Institute	79080
Institute for Research in Agricultural Economics	58271
Oxley J W	15254
	54885
	90794
Oxley T A	6814
Oztan B	18514
Oxtoby E	56844
Oyama M	78512
Oyanagi K	39585
Oyanguren y Garces de Marcilla J	17061
Oydvin J	88962
Oye P van	41194
	42144
	50115
Oye R	75036
Oyenuga V A	12218
Oyer E B	34924
Øygard G	75944
Øygarden A	57211
Oza G M	98
	15727
	23949
Ozaki H	32661
Ozaki H Y	52121
	52122
	60894
Ozaki K	59722
Ozaki S	83246
	83255
Ozanam J	58176
Ozanne P G	8861
Ozanne S T F	11625
Ozawa K	19345
	90486
Ozawa T	92775
Ozawa Y	351

	Item
Ozeki K	5634
Ozenda P	66839
Ozer M	46630
Ozerov A V	5854
Ozerskaya V N	91713
Ozga G	49417
Ozhigov E	3063
	62314
Ozhigov E P	76679
Ozhin F V	62265
Ozolin A I	67253
Ozolin A P	26657
Ozolin G P	90225
Ozolins A	40502
Ozols G E	64102
Ozols J G	63660
Paakkola O	3385
Paar G E	47921
	83778
Paarlberg A	30667
Paarlberg D	14537
	31866
	49616
	57855
	66567
	67071
	76547
	76548
	93058
	93467
	94264
Paarmann E	48634
	73016
	93816
Paasche E	15840
	67565
Paasinkivi L B	53662
Paasuke M	93641
Paatela J	9335
Paatsama S	54630
Paauw F van der	18335
	35372
	51261
Paavila H D	79554
Pabis S	38720
	64908
	74155
	92877
	92890
Pabsch E	49375
Pabst G F J	86486
Pabst H	82839
Paccino D	90034
Pace J	22499
	88190
Pacenovsky J	19875
Paces F	63312
Pacetti M	35599
Pacheco H	9301
Pacheco J N	53093
Pacheco Torres M F	4582
	37577
Pachelski M	62111
Pachence A M	10690
Pachikina L I	44101
Pachl K	37084
Pachlewski R	24505
	68164
Pacholczyk Z	30401
Pachuliya K F	69231
Paci C	27278
	27930
	54390
Pacific Logging Congress	27023
Pacific Lumber Inspection Bur	2881
Pacific Science Board	85720
Pacific Science Congress	7997
	7998
	85720
	86125
Standing Committee on Forestry	26679
Pacific Vegetable Oil Corporation	14496
Pacifici L R	60089
Packard D H	22372
Packard P L	86444
Packard V S	47325
Packer J E	40931
Packer R A	45313
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Pacque-Gilson M	33854
Pacs I	66175
Pacsu E	48220
Pacucci G	776
Pacyna H	38771
Padalkar D G	40185
Padate S N	8196
Padberg D I	38955
Padberg K	22989
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Paddock E F	68443
Paddock W C	14538
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Padenov K P	60978
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Padfield C A S	65800
Padgett J H	23101
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Padhye V P	26227
Padii N N	29158
Padilla J S	20132
Padilla V	89066
Padmanabham V	29093
Padmanabhan C V	14497
Padmanabhan D	795
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Padmanabhan E	24661
Padmanabhan T S A	62200
Padmanabhan V	26368
Padmanabhanaidu B	55698
Padoan G	26512
Padula G	78060
Paduraru V	90625
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Pady S M	43
	278
	24211
Paetzman-Dulon E	94777
Paetzold H	78683
Paffenbarger R S	6912
Pag H	50377
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Pagac M	70962
Pagac P	61425
Pagan A I	6384
Pagán Padro J	20547
Paganelli A	58537
Pagani A	7525
Page E M	40148
	66206
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Page H L	7193
	31511
	66194
	77251
Page L A	37075
	45946
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Page M W	90402
Page N R	2322
	61644
	89518
Page O T	25232
Page R H	10998
	19220
Page S L	78684
Page W	32953
Page W O	74293
Page Z	28637
	28648
Pagel G	44243
Pagel H	35373
	78513
Pagès E	20520
Pages Bassach J	57304
	57305
Paget E	40765
Pagirys J	53909
Paglietta R	20839
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Pagnini U	54803
Pagony H	24317
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Paharia K D	8505
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Pahle K	27822
Pahlen A von der	24423
Pahlitzsch G	27200
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Pahnish O F	3530
Pahr J	31292
Pai R A	796
Pai R M	797
	808
Paichadze B V	56292
Paikin D M	8379
	12357
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Pailet A	54547
Paillon P	30668
	31217
Paillon P--Cont	56714
	56724
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	56726
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Paillou G	92685
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Pain J	37884
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Paine M D	21587
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Painter E M	73694
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Pair C H	10402
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Paixao V C	12701
Pajalic J	72549
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Pajtl M	72298
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Pakalns G	78375
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Pakhomov I D	26727
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Pakhomov V	47507
Pakhomova I S	24319
Pakhomova L M	87603
Pakhomova M G	59578
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Pakhtusov Z I	62619
Pakhtusova N A	86355
Pakistan Central Cotton Committee	6551
Pakistan Central Statistical Off	93184
Pakistan Cooperation and Marketing Adviser	13990
Pakistan Co-operative Dept	83430
Pakistan Food and Agriculture Commission	7526
Pakkala B	79887
Pakrashi S C	60346
Pal B P	8102
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Pal R N	56715
Pal S	16363
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Palacios L M	47679
Palacios Remondo F	54954
Palacios Remondo J	54804
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Palagachev N	36757
Palakarcheva M	17272
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Palamarchuk A S	59544
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Palamarchuk I A	59545
Palamarenko I K	72901
Palamarev E	58538
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Palamaru R	93434
Palandzhyan V A	45136
Palaniappan T A	799
Palaniswamy S	33732
Palash V P	14598
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Palashev I	70144
Palazzotto F	11176
Pal'chik V	74042
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Palczuk N C	36309
Paleg L G	8971
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Palermo Istituto Regionale di Economia e Politica Agraria	76043
Palesiko V B	74118

	Item
Paley C	47935
Palfalvi I	52816
Palfi G	43639
Palfy F	72186
Palian B	12075
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Palienko M Ya	17646
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Paliev Kh	54209
Palilov N	1892
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Palilova A N	68499
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Palimsestov M A	54805
Palinkas G	1732
Palinkas I	15060
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Pal'k Ya Yu	1705
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Pallesen J E	74557
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Pallotta A	71817
Pallotta U	31398
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Palm C R	36819
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Palm W E	48754
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Palmer Jones T	81979
Palmgren A	49957
Palmieri C	4408
Palmieri F	47862
Palminha F	32928
Palminteri A	54548
Palmiter D H	8380
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Palmquist D	28684
Palmqvist T	1441
Palmstierna H	49958
Palocsay R	52048
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Palomar E	24424
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Palomino Horse Breeders of America	80613
Palosuo V J	19086
Palosy L	93418
Palotai I	47551
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Pamic S	68923
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Pampaloni E	40504
Pampana E J	4545
Pamukcu A M	79870
Pan American Coffee Bur	93234
Pan American Sanitary Bur	12414
Pan American Union Dept of Social Affairs	85230
Pana G I	53726
Panabokke C R	78503
Panafidin K A	92064
Panagopoulos C G	33144
Panait V	88658
Panama Direccion de Estadistica y Censo	31330
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Panasyuk L V	45091
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Panayotova M	84633
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Pandey I C	8791
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Pandey S C	22718
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Panebianco F	54549
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Panek E	2856
Panelatti G	15661
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Panenko I D	61556
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Panigrahi N R	42412
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Panikkar A O N	50765
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Panjevic-Blazekovic T	54313
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Pankavich J A	11788
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Pankevicius E R	27045
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Pankov V A	72377
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Pan'shin I V	64364
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	Item
Pant H C	44986
Pantaleon J	84701
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Paoletti C	82976
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Paolillo M K	50766
Paolini F	22719
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Paolis P de	84634
Papa A O	31550
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Papadopol I	20521
Papadopol S	10746
Papadopol V	10746
Papadopoulos A	11928
Papadopoulos G E	26513
Papalexiou N	27035
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Paparisto K	25988
Papasolomontos A	37657
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Pape J	14176
Papendick K	36194
Papendick R	10138
Papendick R I	18233
Paper Industry Management Association	36068
Paperiello G J	93460
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Papparella V	54392
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Pappenhagen A R	80314
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Paprzycki O	45160
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Papsdorf N	23525
Papua and New Guinea Bur of Statistics	86004
Papua and New Guinea Dept of Agriculture Stock and Fisheries Entomology Sect	46575
Papurt M	54500
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Paquay R	61417
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Paraipan V	27563
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Paramananthan D C	46133
Parameswar N S	42349
Parameswaran N	8770
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Paramonov A	55971
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Paramonova E S	69861
Paraschiv E	71499
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Parasuram	77890
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Parau D	29893
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Parcevaux S de	60095
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Parchevskii V P	943
Pardé J	2686
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Paredes T A	77883
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Parenti S	28685
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Parfenov V I	68112
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Parfent'eva T L	6149
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Parfitt R W	5341
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Paris Institut de Recherches pour les Huiles et Oleagineux	17232
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Paris Institut des Corps Gras	48793
Paris Institut d'Organisation Scientifique du Travail en Agriculture	31773
Paris Institut Francais de Recherches Fruitieres Outre Mer	43388
Paris Universite Faculte de Medecine Institut de Parasitologie Station Experimentale de Parasitologie	20670
Pariseault L P	39386
Parish J A	84497
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Parisi L	79450
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Parker R S	3230
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Parker W Y	52819
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Parkhurst R T	28315
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Parkin I E	6207

	Item
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Parks W R	58093
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Parmentier R	85565
Parmer W R	10182
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Parry-Williams J R	46479
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Parton P L	75019
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Partridge J R	2323
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Partyka A	52672
Partyka R	462
Partyka R E	41671
Parups E V	1660
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Parusheva A	39650
Parvanchete N	88211
Parvin P E	48979
Parvin R G	85231
Pas C G de	89736
Pasa V	78860
Pasak V	19066
Pasamba G	62297
Pascal M M	73495
Pascal R R	12053
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Pascaud G	52537
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Paschke J D	5496
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Pascovici V D	92235
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Pasechnik S T	34697
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Paseshnichenko V A	34280
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Pashchenko P D	88643
Pashchenko V Z	15929
Pashedko L T	7449
Pashek R D	23444
Pashenkov Ya M	18516
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Pashkar' S I	86965
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Pashuk Kh T	68309
Pasini G P V	17254
Pasiruk K I	39765
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Paspalev G	64257
Pasquale A di	5137
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Pass H	34426
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Passama-Vuillaume M	73875
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Pasztor K--Cont	58881
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Paterson B R	33697

	Item
Paterson C R	20960
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Pato O	93236
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Paton J A	8272
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Patrascu I	75734
Patrasescu M	35927
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Patrons of Husbandry National Grange	15304
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Patscheke G	62239
Patsiora P P	62043
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Patwari J	39837
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Patyra W	80647
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Patzke E	32833
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Pavlovic M	3383

	Item
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Pazos Gil J M	26515
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Pazur J H	16946
Pchelin V A	86996
Pchelkin Yu	47611
Pcsante A	8182
Pea Growing Research Organisation	52125
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Peabody D W	52274
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Peasley D	32551
Peat J E	51720
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Peive Ya V	43966
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Peixoto A A	89378
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	Item
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Peixoto J	74343
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Pek L V	73636
Pekarsky P	92610
Pekáry K	61391
Pekas J C	81217
Pekatoros L G	52539
Peken'o P	89355
Peker K	58352
Pekhlivanov M	63420
Peking F	92611
Pekker M Z	43199
Pel J van	75804
	66290
Pelagalli G V	80794
Pelc S R	87340
Pelegrin P	70212
Pelegrini S	80067
	80068
Pelerents C	64669
Pelham-Clinton E C	21164
Pelhate J	33281
	41859
Pelikan J	38581
Pelisek J	71117
Pelishek R E	10000
	10005
	10403
	35277
	43912
	52428
Pelissier C L	45728
Pelizziari A	22404
Pelka P	47308
Pellar R	20961
	89871
Pellas C N	28612
	28731
	79702
Pelle E	46120
	72809
Pellegrini D	4548
	62443
	80221
	90678
Pellegrini N	62863
	62864
	63520
	72207
	80395
	80396
Pellegrini S	72149
	72207
	80396
Pellerdy L	27408
	46020
Pelletier O	6758
	75274
Pelletier C P	77656
	77657
Pellicer X L	53202
Pellizzari C	7528
	14786
	32200
	40599
	49004
	49536
Pellizzari C-- Cont	57860
	76494
	85758
Pellizzi G	29995
	92939
Pellmyr N	81983
Pelowski A	62242
Pelshenke P F	6815
	14283
	14284
	14285
	14286
	22510
	22511
	23699
	31163
	31164
	31165
	31166
	31167
	31168
	57178
	65910
	65911
	75323
	75333
	75334
Peltier G L	14044
Peltier M	58686
Peltier M A G	58687
Pel'ts M L	31566
Pel'tsikh I L	68338
	69401
Pembroke E A	16108
Pena A J	15460
Pena M	32091
Pena R	70868
Pena V B	34448
Penafiel J L	9333
Pence J W	14274
	57169
	75335
	84498
Pence R J	4732
	52428
	81853
Penchinat A	72583
Penchitr P	29016
Pencic V	86878
Pendergrast J G	73755
Penders J M A	15256
	23288
	23504
	23505
	40856
	66950
	85171
	94677
Pendery W E	59988
Pendle T D	7185
Pendleton A M	30842
Pendleton J D	88261
Pendleton J W	43133
	51651
	69402
Pendleton M B	19201
Pendleton R L	78514
Pendleton W C	40750
	49376
	49399
Penev N	61932
Penev S	93543
Penfold A R	41437
Penfound W T	42146
Pengelly D H	63943
Pengili M	1727
	43439
Pengra R A	58456
Pengra R F	6433
	6434
	6435
	6436
	6553
	6816
	6817
	6818
	6819
	26040
Peninsula Horticultural Society	17286
Penistan M J	10670
Penkauskene E A	87866
Pen'kov G K	75573
Pen'kov L A	51370
Pen'kov O G	2219
	10125
	70449
Penman H L	78868
Penn G H	76736
Penn R J	32092
Penn W S	30257
Pennacchietti A	37304
Pennella P	9223
	9224
Penner E	2055
	60561
	76180
	85486
	91082
Penner E P	58883
	81685
Pennev S	75077
Penney R W	6930
	93832
Penniket J G	82896
Pennimal C	67276
Pennimpede F C	19513
Penningroth D D	66677
Penningsfeld F	78686
Penningsfeld G	87867
Pennington W	49960
Pennock J L	30065
Pennock P W	28030
Pennsylvania	86126
Pennsylvania Academy of Science	
Pennsylvania Bur of Foods and Chemistry	93468
Pennsylvania Co-operative Potato Growers	48307
Pennsylvania Dairymen's Association	30482
Pennsylvania Dept of Agriculture	32506
	46067
	76044
Pennsylvania Dept of Forests and Waters	18859
Pennsylvania State Dept of Highways	94594
Pennsylvania State Grange	7813
Pennsylvania State University Highway Impact Research Staff	94594
School of Veterinary Medicine	3691
Library Groff Collection	41298
Penny A	18387
Penny J M	44245
Penny L H	25342
Penny N M	40209
	48960
Penny Donayre C	78687
Peno M	50213
	86879
Penot M	25050
	87868
Penrose R D	73351
Pensier A	20522
Penso M	40784
	85820
Pensuet P	56107
Pentecost B H	2524
Pentecost E L C	36457
Pentegova V A	19296
Penticton Co-operative Growers	30977
Pentin A P	90227
Pentkowski A	10226
	70929
Pentoney R E	62241
Pentyuk M V	6887
	85566
Pentz W	84267
Pentzold H	47459
Penyigey D	67224
Penzes A	59546
Penzes L	46264
Penzhorn K E W	35570
	35571
Penzlin H	13064
Penzo L	7241
Peo E R	3065
	81297
Peoples S A	30605
Pepeira F S	92401
Pepelyaev B V	67352
Pepito N N	90855
Pepler L A	35572
	35573
	35574
	40720
	40857
Pepler W A	10619
Pepler W A E	18697
Pepper E H	22512
Pepper J M	62214
Pepper L	83803
Pepper W F	11917
	28218
	45936
	45939
	72566
	72567
	72568
	72569
	72572
	72573
	80768
	91439
	91453
	91456
Pepper & Ginger Merchants' Association	76550
Pequignot R	34427
	43277
Pequin L	16859
	25234
Peraire M D	57765
Peralta F L	76583
	86039
Peralta P	22153
Peralta P R	85057
Perceali G	56948
Percival E	36087
	69214
Percival M	4823
Percival M S	34312
Percy C W	56293
Perdigao F A	71912
Perdisa L	40858
	66951
	89944
Perdisa S	86196
Perdok E A	60099
Perdue E J	57372
Perdue H S	12291
	30728
Perdue R E	1803
	6554
Perebeinis I E	79636
Pereedenko Z V	28507
Peregi S	74119
Perehon I L	12076
Pereira A de S B	85797
Pereira A L G	92174
	92175
Pereira A S R	16860
Pereira C de S S	90129
Pereira F S	29380
	46869
Pereira G B	71950
Pereira H C	85872
Pereira H D G	1641
Pereira H G	53966
Pereira I F	84579
Pereira J L	11989
	38820
Pereira J R	9431
Pereira R L	65569
Pereira Bastos F	39194
Perek M	72551
	91536
Perekal'skii F M	25343
	70616
Perekhod V I	44643
Perekhodkin L P	34636
	88913
Perekislov L N	75219
Perekrestov A I	54886
Perel' T S	26130
Perel'berg I	75858
Perelman R	84162
Perelygin A T	64221
Perelygin L M	36131
Perelygina V	4097
	72810
Peremykin V I	9522
Perennec P	34100
Perenyi K	26516
	26517
	70709
	70797
	70798
	89820
	89872
Perepechin B M	90316
Peres A de B	67014
Peres G E P	32942
	32943

	Item
Peres G E P-- Cont	32944
	32948
	32949
	41535
	86549
	86550
Peres J R	90856
Peres R de L A	65324
Peresypkin V	86880
Peresypkin V F	59025
Peretjatkowicz B	85058
Peretyat'ko V G	34101
Peretz I	81787
Perevalov V A	49824
Perez A	69592
Perez A J	62865
Perez C	71990
Perez J E	8568
	67976
Perez M E	84290
Perez M R de L A	74614
Perez V M	21964
Perez Angel G	2525
Perez Brincones F	7150
	20296
	91591
	93323
Perez del Cerro M I	24628
Perez-Fonrodona A A	83613
Perez Galan J M	53846
Perez Garcia A	85873
Perez Garcia T	54694
Perez la Salvia H	56055
Perez Lopez A	9097
Perez Mateos J	17930
Perez Muela R	30591
Perez-Navarro y Flores-Estrada A	88406
Perez O G	7790
Perez R A	19672
	27565
	36440
	71951
Perez-Rebelo R	3943
Pérez Reyes R	67889
Perez y Perez	90857
Perez y Perez F	91493
	91537
Perezhogin M A	13281
	30737
Perfanov G	88803
Perfil'ev V E	87869
	87870
Perfil'eva A R	58478
Pergament E	16472
Pergolesi A	7529
Periasamy K	805
	68339
Peries O S	466
	8518
	86881
Perigaud	43278
	78515
	88892
Perigaud S	61559
	70236
Perin M A	9745
Perina V	44771
	90228
Perini D	31684
	32201
	76421
Perini G	80383
Peris S V	46952
Peris Perez P	25754
Peris y Perez P	60813
Perisic D	93608
Perisic M	24427
	87060
Perjamosi M	70269
Perju T	46883
	73785
Perk A	68935
	71304
Perk C G M	85059
Perk K	36668
	71749
Perkel' N V	27310
Perkin G F	84268
Perkins B D	4413
Perkins D F	77762
Perkins F A	93589
	93590
	93591
Perkins G	1992
Perkins H F	44246
Perkins H J	15662
	16679
	69232
	69241
	77816
Perkins H O	1804
Perkins J F	29612
	92559
Perkins R M	93487
Perkins T M	58273
Perkitny T	11127
	45160
	45161
	62242
	71418
Perlaki M	84891
Perles B M	22246
Perloff H S	31804
Permack A	3735
Perman V	80573
Permeti M	25469
	43279
	63397
Permikin I P	2838
	62193
Pern L K	44584
Pern M A	14333
Perna A	85127
Perner	76737
Perner E	60321
	68406
Pernerstorfer J	48436
Pernet M	74262
Perney J P	88005
Pernu A	47706
Perold I S	90679
Perold R P	78869
Perov B	88875
Perova P V	22618
Perraju A	28755
Perraud-Charmantier	13320
	13321
	30004
	38772
	47508
	83206
Perraudin	51956
Perraudin G	69706
Perrault C	50450
Perrayon R	21136
Perreau P	11655
	27830
	81298
Perretta A	21791
Perrey C	61544
Perrier	46537
Perrier E R	16861
	35162
	52408
Perrier J M	22034
Perrin C H	44520
Perrin D R	1332
Perrin J	78306
	78870
Perrin R	51014
Perrine D	78074
Perrine E	79000
Perritt A M	1100
Perron J P	37659
Perron R	31410
	75574
	84832
Perrotta G	8509
Perruadin G	75075
Perry A	43562
Perry A L	48459
Perry A S	4414
Perry B A	9841
Perry D A	33282
	33283
	41860
Perry D K	4274
Perry E P	78516
Perry G C	48085
Perry J D	10583
	57554
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Perry J H	71323
Perry J S	36953
	81299
Perry K D	13865
	13870
	39389
Perry K T E	63042
Perry L M	1993
Perry R A	88709
Perry R L	42890
	80397
Perry S	45217
Perry T O	61933
Perry T W	4126
	4213
	11478
	27650
	28613
	54141
	54144
	54145
Perry T W-- Cont	54146
	54212
	54213
	54214
	54215
	54216
	54228
	54229
	54394
	55030
	62656
	62692
Perry V G	16184
	17006
Perry W H	4824
Perry W T	54143
Perryman C	31811
	85633
Perryman E F	84364
Perryman V D	19989
Perseca E	33296
	41867
	41868
	68967
Pershin A V	27228
Pershin G P	79018
Pershin N P	1188
Pershin P N	7377
Pershina L A	46415
Pershina M N	1435
	2099
	2218
	2219
	10041
	10125
	10126
	10127
	18103
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Persiani G	19872
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Persiel I	61202
Persin S A	20753
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Person C	485
Person C O	87450
Person L H	9098
Person N K	13393
	56200
	56201
Persson A	59314
	77340
Persson A R	30920
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Persson C J	45218
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Persson E	1514
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Persson F	28031
	28032
	72335
Persson G	883
Persson H	24047
Persson K A	63605
Persson M	8495
Persson P J	1481
Persson P K	32552
Persson S	8495
	16863
	28031
	28032
	29017
	29910
	54639
	67728
Perstnev N D	81821
Perstnev S N	92889
Perticara' G	85427
Pertsch R	80693
Persunaru R	51273
Perten H	65912
Perticara G	1189
	65168
Pertsovskii E S	9099
Perttunen V	4945
	38137
Pertz H C	47509
Peru Dept de Estadistica	32396
Peru Direccion de Economia Agraria	74229
	93185
	93509
Perucci E	17852
	20962
Perur N G	9100
	26313
	42762
	51547
Perutz M F	30143
Pervova Yu O	68340
Pervukhin A G	19127
Pervukhina N V	59547
	68341
	87341
Peryam D B	48698
Peryam D R	75185
Pesante A	86882
Pesce de Fagonde A	53967
Pescetto F	28860
Peschaut R	18654
Peschel G	33284
Peschke G	31656
Pescop A	81984
Pesek F	75336
Pesek I	94807
Pesek J	35398
	43134
	52767
	70666
	89738
	89778
Pesek J T	2342
	10244
	26261
	52741
	52824
	89681

	Item
Pesenti A	75835
Peshkov V G	63941
Peshkova G A	68172
Peshkova M A	26115
Peskarev A G	85512
Peskov P G	14539
Pesman M W	86490
	89068
Peso O A	36305
Pesquera M G de	18074
Pessenda C E	33178
	37627
Pessi Y	61088
	61418
	61419
Pestal E	71378
	90317
Pestana A	89739
Pestana C G A	25841
Pestel H	13656
Pester F R N	46979
Pesti L	20389
	53968
Pestukova A	31097
Pesut M	72910
	72948
Peszeszer Gy	65330
Pet G	25842
	26609
Petal J	64563
Petal J M	82548
Petcu D	90907
Petcu L	79451
Petcut M	90264
Petek F	16898
Petek M	3947
	54806
	71988
	80864
Petelenz T	46089
Petelina N	26314
Petelkau G	22116
	48109
	56806
Peter C T	27409
Peter G	77904
Peter H	57096
	78376
	78377
	89519
Peter M	61560
	61561
Peter R	2948
Peter S D	8838
Peter V	72552
	72738
	94512
Peter-Contesse J	9901
Peterburgskii A	89740
	1190
	1191
	2326
	2327
	2328
	2329
	10262
	10299
	18337
Peterburgskii A--Cont	18338
	76738
	78688
	87871
	87872
	87873
Peterburgsky A V	43967
	52540
Peterec J	7873
Peterin Yu N	83683
Petermann H G	11309
	27339
	27410
Petermann R	39066
	67121
	67122
Peternel J	35929
Peters B G	16185
Peters C W	7326
	7530
	31871
Peters D	20771
Peters D B	35111
	51274
Peters D C	12493
	28763
Peters E J	1957
	35891
Peters G	19404
	36196
Peters G H	14674
	66867
Peters G S	13907
Peters H F	37178
	54395
Peters H S	81560
Peters I I	13866
	13867
	30671
Peters J	36312
Peters J E	36908
Peters K H	65398
Peters L	20702
Peters L L	20754
Peters L V	24741
	25465
	60562
Peters R A	16785
	16862
	52275
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Peters R H	28890
	28898
	92032
Peters W	21223
	37435
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	82546
Peters W J	61934
Petersen A	157
	14787
Petersen B	63877
Petersen C F	11910
	22771
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Petersen D H	16052
Petersen D H--Cont	50164
Petersen D R	17217
	51808
Petersen E	6049
	56486
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Petersen E E	13551
	13552
	30293
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Petersen E J	44036
Petersen E O	56782
Petersen F M	57691
Petersen G	5499
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Petersen H	50215
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Petersen H J	5705
	38626
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Petersen J B	32553
Petersen L M	21762
	23289
Petersen P J	56416
Petersen P P	13208
Petersen P W	5797
	5893
	5894
Petersen R	64911
	92847
Petersen R G	26266
	52721
	69589
Petersen R H	2155
	15864
Petersen T C	7531
Petersen V E	37133
Petersen W E	91086
Petersen W H	56867
Petersen W H H	21647
Petersen-Dalum T	63606
Peterson A	5500
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Peterson A C	38900
Peterson A E	51676
	87958
Peterson A G	7931
	51748
Peterson B V	64440
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Peterson C J	24685
	87494
Peterson D A	6838
Peterson D F	43337
Peterson D G	63701
Peterson D R	52277
Peterson D W	71658
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Peterson E A	44013
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Peterson E H	46021
Peterson E K	25663
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Peterson E L	26680
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Peterson F F	70450
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Peterson G A	25344
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Peterson G C	40933
Peterson G D	43200
Peterson G H	89550
Peterson G L	14901
Peterson G W	24184
Peterson H B	16864
	25051
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Peterson H O	92033
Peterson H V	78952
Peterson J B	26010
Peterson J E	12107
Peterson J L	59103
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Peterson J W	8381
Peterson K	37162
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Peterson K R	27065
	27066
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Peterson L C	8603
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Peterson L D	71022
Peterson L E	69973
Peterson L K	63910
Peterson L O T	82547
Peterson M	23506
Peterson M J	94678
Peterson M L	1192
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Peterson M S	47797
Peterson N K	78979
Peterson N V	2156
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Peterson O	11128
Peterson P D	41861
	46576
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Peterson P J	34102
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Peterson R	1733
Peterson R A	25475
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Peterson R D	48086
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Peterson R H	51677
Peterson R M	17338
Peterson R S	58803
Peterson V H	60473
	61420
Peterson W D	20523
Peterson W H	14287
Petersons L	87061
Petersson H	19751
	53792
Peteshev V M	63843
Peteva Z	54217
Pethe V P	85276
Petho M	467
	68936
Petijevic O	69510
Petino G	49260
Petinov N A	68937
Petinov N S	9101
	25052
	34048
	34103
	34104
	42763
	42764
	42765
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	68939
	87874
Petit C	37045
Petit J	31401
	75574
Petit R	88653
Petit Fontsere J	13992
	22247
	39540
Petitlaurent	85722
	94717
Petitpas T	65638
Petkov A G	92848
Petkov Ch	29920
Petkov C I	92765
Petkov P	37940
Petkov P D	10671
Petkov P N	36499
Petkova D	92272
Petkova G	12019
Petlak Ya	47435
Petlin S	74920
Peto H	9842
Petőházi G	49261
Petr O	74230
Petrache E	36436
	91816
Petrack B	88209
Petrak A	45784
Petrakova L	89809
Petran M	76784
Petrariu I	75733
Petras H S	30614
Petras K	80831
Petrasovits E	25053
Petrea G	48515
Petrela I	43350
Petrenko A E	91339
Petrenko A G	87875
Petrenko E S	4770
	9102
	18990
	59548
Petrenko G G	28676
Petrenko G Ya	60102

	Item
Petrenko M B	60083
Petrenko N	13250
Petresco A	26063
Petrescu C	52911
	91816
Petrescu L	26764
Petrescu M	67890
Petri V N	2838
	2839
	62193
	79474
Petria E	67621
Petricek M	84716
Petricevic J	66570
Petricic A	93284
	93379
Petrie L	16865
Petrik M	88647
Petrini F	23507
	49437
Petrishcheva P A	55318
	62444
Petrlik S	33285
Petrlik Z	24320
	67891
Petrochenko E I	34313
Petrochenko U A	34105
Petrochenko V I	46022
	54807
Petroczi I	48460
Petroff C	27831
	62599
Petroni R I	69507
Petronici C	956
	1193
	93469
Petronio V N	36046
Petropavloskii A M	31514
Petropavlovskaya N N	28402
Petrosini G	59026
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Petrov-Spiridonov A E	87666
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Petrovskaya V	3388
Petrovskii V	22159
Petrovskii V V	16246
Petrovskii V V--Cont	36315
Petrovskii Ya	42767
Petrovszky M	28504
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Petrukha E I	29019
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Petrukhovskii A A	45301
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Petrushinin K V	22919
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Petshikovski V	40007
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Pezzo L del	57246
Pezzoli G	54632
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Pfister C	74892
Pfister H	92613
Pfister H O	19067
Pfitzenmeyer C D C	59316

	Item
Pfizer (Chas) & Co	71685
Pflander W H	54897
Pflaum W	74675
Pflaumbaum W	48308
Pflug I	65167
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Philbeck R H	48636
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Philippine Lumber Producer's Association	10983
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Philippines Bur of the Census and Statistics	23620
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Philippines National Institute of Science and Technology Div of Documentation	15918
	23728
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Philippines Sugar Technologists	40186
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Phytopathological Society of Japan	50216
Pi C P	468
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Pieczarka S J	43783
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	Item
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Pieczynski E	21068
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Piedra V	37672
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Piepenbrock G	74468
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Pike H H & Son	7277
Pikin A S	7607
Pikulik L G	40152
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Pilat A--Cont	67628
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	Item
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Piringer A A	8937
	9108
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Pirisino G	88123
	88124
Pirjol L	87525
Pirogov L S	74298
Pirogov V S	16371
Pirogovskii N	75468
Pirone P P	43534
Pirone T P	573
	24192
Pironkov V M	74057
Pirot	66476
Pirotta A	45049
Pirozhenko G S	89783
Pirozhnikov K D	87883
Pirsko A R	10842
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Pirson A	49825
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Pirvulescu C G	2742
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Pisa Universita Facolta di Medicina Veterinaria	62445
Pisani E	57713
Pisani M	66571
Pisani P L	33835
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Pisanko M	83131
Pisanko M E	31169
Pisano M A	51279
Pisanu S	45642
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Pisarenko E P	18995
Pisarev A I	5696
Pisarev B	89357
Pisarev V E	25346
Pisareva N F	41581
Pisarka M	10541
Pisarski B	21341
	82633
Pischel G	14903
Pisek A	78308
Pishkova M N	60450
Pishnamazov G	81688
Pisi A	29995
Pisica C D	92541
Piskac A	63164
Piskarev A I	7327
Piskarev A N	10263
	87884
Piskernik M	42148
Piskovoi F R	81985
Piskula F	90229
Pislaru C	51962
Pis'mennaya D N	14995
Pis'merov A V	87191
	89604
Pistor W J	62357
	63456
Pistre R	87388
Pisut I	32995
Pis'yaukova V V	15780
Piszczek J	70284
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Pitcher R S	574
	50552
Pitcher S	66807
Pitel I	92976
Pitelka F A	64310
Piterskaya A M	9521
	37660
	63944
Pitkin F H	18992
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Pitkyanen I G	81169
Pitman J	35576
Pitman N	50064
Pitman R F	45518
Pitney A J	86063
Pitre J	30525
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Pitt G J W	10767
	18993
Pittaway E M	91239
Pittenger E M	8069
Pittenger T H	33796
Pittler H	71953
Pittman D	54006
Pittman J	15409
Pittman J F	22411
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Pittman R A	7027
Pittner K	83143
Pitts C L	36537
Pitts C W	81582
Pituc P	78560
Pitzschke H	36898
	71818
Piul'skaya V I	75402
Piunovskii B A	17197
Piva G	84778
	84779
Piva V	34682
Pivnick H	3123
Piwinger F	40071
Pixton S W	6814
Piyalkin V N	79596
Piza S de T	29766
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Pizelle G	42770
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Pizelli G N	45596
Pizer N H	78309
Pizey J S	9904
Pizhurin A A	62067
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Pizzano Barantes A J	86081
Pizzano Barrantes J A	84501
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Pizzoli E M	48547
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Pizzuti A	48309
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Pjatkow F F	23527
Pla Hernandez M	54275
Place G A	52468
Plachy D E	40860
Plachy E	76422
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Plair T B	26762
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Plaisted K M	67075
Plaisted P H	34315
Plaisted R L	8603
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Plakhotin M V	20086
Plakhov V	20446
Plakhova L G	25930
Plakida E K	59553
Plakidas A G	24428
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Plakyda E K	34111
Planchais N	23902
Planck U	23290
Planderova E	23889
Planes Garcia S	77252
Planeta F	25804
Planitz C B	74924
Planje J P	49409
Plank J E van der	41862
Plank P	36670
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Plant A N	42771
Plant J W	83431
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Plant Operations Symposium	14498
Plant Phenolics Group	51548
Plant Propagators Society	9564
Plant Protection	24161
Plant Science Symposium	87885
Plante G	83921
Plantefol L	58539
Planterose D N	11310
Planters' Association of Ceylon	47636
Plapamaru V	91760
Plapp F W	4551
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Plapper J	40012
Plarre W	25347
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Plaschke W	48711
Plastridge W N	3293
	3535
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Plate H P	8511
	12603
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Plate R	14438
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Plateaux L	5314
Plateaux-Quenu C	5315
	37986
Platek J	94090
Plath L	53627
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Platikanov N	54218
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Platon M	45118
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Platonov A N	38956
Platonova E M	50534
Platonow I	36671
Platonow N	80755
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Platt B S	7945
	15447

	Item
Platt B S--Cont	49680
	67108
Platt J	17493
Platt M M	39564
Platt R B	50620
Platt R G	9603
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Platter A A	40785
Platzer F	14045
Platzer H B	18753
	26747
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Platzer S	17606
Plaude K	32607
Plaunt D	23291
Plaut Z	9109
Plavsic S	86199
Plavsic-Gojkovic N	68342
	68343
Plaxico J S	13465
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Player F J	49180
Plaza M	40861
Pleasance H J	73533
Pleasonton A	10627
Plebanski T	18339
	23102
Pledger R A	53971
Plennik R Ya	60563
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	68345
Plescia O J	36309
	94865
Pleshivtseva E S	32688
Pleshkov B P	2330
	42998
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Plesnik P	76875
Plessers A G	16867
	17230
Plessis Y	86357
Pleszynski S	12990
Pleticha R	83353
Pleticka W J	84424
Pletneva N	63419
Pletscher C	52011
Pletser J	35117
	43918
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Pleva E G	61618
Pleva V	55082
Plewinska-Wierzbowska D	71628
Plishko N T	72924
Pliske T E	29697
Pliss D S	93186
Plissey E	17906
Plitt K F	93518
Ploch L A	32094
	40108
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Plochmann R	71120
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Plock H	34651
Ploger W	11385
	27448
Plonait H	12274
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Ploquin C	87886
Ploquin J	87886
Plotnikov A A	17907
Plotnikov A Ya	36046
Plotnikov K	40269
Plotnikov K I	37262
Plotnikov N	85567
Plotnikova A E	90509
Plotnikova T V	89070
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Plotnikova V A	63616
Plotz E	39545
Plouvier V	42999
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Plowright W	11248
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Pluchet	65087
Plucknett D L	16869
	34113
Plugar S G	92451
Plugaru I	36011
Pluijgers C W	34114
Plum G	30483
Plum N	41197
Plumb C H	90680
Plumb T R	8690
Plumbe W J	11023
Plumer G J	27567
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Plumlee M P	54144
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Plummer A E	2491
Plummer B E	7204
	21848
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Plummer C B	90858
Plummer G L	87887
Plummer N	58179
Plummer T H	1359
Plumpstead E P	67354
Plumridge A J	9746
	9747
	25756
	25757
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	52049
Plunkett Foundation for Co-operative Studies	15333
Plyugachev V K	56273
Plyushchenko G	69586
Plyushkina E Z	14499
Plyusnin I I	2220
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Pneva G P	58514
Poapst P A	39743
Poats F J	30730
Pobedimova E G	8240
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	15782
Pobedinskii A V	2661
	90065
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	90231
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Pobedov V S	79345
Pobisch R	91240
Pobric S	91659
Pochan M	71572
Pochard E	77160
Pochon J	2157
	18104
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Pociej J	21869
Pockberger J	18655
Pocock M A	41519
Pocrnich J G	28033
Pocta F	79010
Podbielkowski Z	32718
	33543
Podbreznik F	30258
Poddubnaya A M	64967
Poddubnaya-Arnol'di V A	16870
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Poddubnyi N N	2221
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Poddubskii I V	54398
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Podebradsky Z	94241
Podesva J	25057
Podgorichani V S	61291
Podgornyi P I	17071
Podgornyi V I	36673
Podgurniak Z	28689
Podhajecky K	36674
	62793
Podhradszky J	33103
	50385
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	86889
Podkopaev V M	36911
Podlech D	33542
	41428
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Podlesnyi G V	11657
Podlesnyi K	13252
Podletskaya N	55041
Podliachouk L	62364
Podlinnov I S	81107
Podlinyaev P	73307
Podlinyaeva M E	49758
	58373
Podlipenskii S Ya	47420
Podlowski M	19311
Podlowski S	62194
Podmogaeva M I	59368
Podoba B G	86312
Podoba E G	19753
Podoba T A	51909
Podobsky J	67630
Podojil M	25214
	43001
Podoleanu N	51969
Podol'skii A S	20756
Podoprigora V S	1959
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Podoski J	75705
Podpera J	67546
Podrazhanskii A A	89810
Podtykan Ya P	88767
Poduval R N	23194
Podvalkova I A	60109
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Pod'yachikh P G	23436
Pod"yapol'skaya T S	42021
Podzorov N V	87344
Poeggel W	14904
	23200
Poehlman J M	4627
	51678
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Poelma H R	29979
	64922
Poelt J	24079
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Poenaru I	51969
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Poesse G J	18396
Poffe R	93425
Pogeler G	75578
Pogge E	17494
Poggioli A	46687
	46688
Pogo A O	87888
Pogodina V V	72855
Pogorelov P	1706
	88914
Pogorel'skii L G	12362
Pogorelyi A I	27833
Pogorelyi I P	5822
Pogorletskii B K	17234
Pogorski L A	21895
Pogosbekov M I	74231
Pogosov E K	67731
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Pogosov Yu L	48245
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Pogrebnyak G	69411
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Pogrebnyak P S	61937
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Pogucki R J H	85723
Poh E J	62099
Poh T W	33404
Pohjakallio O	9110
	24429
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Pohjakas K	79484
Pohjanheimo O	8604
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Pohl C V	7020
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Pohl R	63326
Pohl R W	67489
	76967
Pohle W D	57377
Pohley H J	38499
Pohlit H	84094
Pohlman G G	34358
Pohlmann H	74263
Pohlmann R	65326
Pohls E	74157
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Pohoral J	24531
Pohrebnyak L P	73019
Poinar G O	55749
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Poinsot H	58540
Pointer J P	1661
Pointer M T	31277
Pointing P J	38500
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Pointner J	46024
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Poirier R	20134
Poisson C	60110
Poisson J	43002
Poisson R A	21467
	29767
Poitevin J	76181
Poitevint O L	45654

Poitout S Item 37714
Pokataev V A 63945
Pokhiton P P 17908
Pokorna V 60023
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Pokorna Z 46043
Pokorny A 6753
Pokorny J 31348
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Pokrovskaya A S 9582
Pokrovskaya E I 55322
Pokrovskaya G I 34431
Pokrovskaya N F 84979
Pokrovskaya V S 88290
Pokrovskii N 9843
94423
Pokrovskii S G 72669
Pol C van der 85061
Pol G 15477
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Pol P H van de 4733
Polacek P 45322
Polach A 72872
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Polach J 67857
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Polak L 79874
Polak O 35846
Polak Z 33405
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Polakovic F 88947
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Poland Dept Produkcji Zwierzecej 90543
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Poland Instytut Ochrony Roslin Pracownia Prognoz i Sygnalizacji 86697
Polatnick J 53971
Polden E J 31464
Pole-Evans I B 86495
Poleac E 8569
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Poleac I 79388
Poleksic R 80144
Poleman T T 66538
Polenda J 73994
Poletaev A A 25846
Poletaeva N S 19944
Polevitskii K A 74075
Polevitskii K K 74075
Polevoi T N 24162
Polevshchikova V N 20757
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Polezhaev I A 69672
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Polezhaev L V 20026
Polezhaev V A 31993
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Polezhaeva M D 75037
Polge C 36441
Polheim P von 45206
Poli V 27568
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Poliakoff J B 66134
Polidori F 11438
Polikarpov B V 91891
Polikarpov G G 943
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Polikarpov N S 91045
Polikarpova E F 20401
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Polikarpova L I 37613
Polikoff H 65532
Polimbetova F A 42773
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Polin D 36995
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Poling C E 67143
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Polit J 33104
Political and Economic Planning 14905
Politiek R D 3294
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Politova T K 83686
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Politova-Sovzenko T K 13660
Polityńska E 55059
Polivanova E N 29553
Polivka J 8382
Polivka J B 20861
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Polivtsev F P 73297
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Polizu A 37728
Poljakoff-Mayber A 1198
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Poll H 61039
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Pollach W 3231
Pollack R L 34115
Pollanschutz J 71305
Pollard A G 43970
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Pollard G E 63778
Pollard G R 4436
Pollard H N 5252
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Pollard J K 51360
Pollard M E 21751
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Pollard W O 72504
Polled Hereford World Magazine 80069
Pollhamer E 52825
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Pollhammer E 1497
Pollmer W G 6753
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Pollock B M 7217
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Pollock D H 49619
Pollock H W D 79399
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Pollock J R 30983
Pollock J R A 14258
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Polonskii L 74018
Polonskii M L 19246
Polonsky A 31994
Polonsky J 51558
Polony R 46050
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Polopolus L 14616
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Polosina M I 68952
Polosukhin G G 61874
Polotskii I V 13306
Polovenko I 39863
Polovenko I S 3066
Polozhentsev I P 2743
Polozhentsev P A 46761
Polozhii A V 15563
Polprasit P 78053
Polska Akademia Nauk Komitet Ekonomiki Rolnictwa 94147
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Polprasit P 24630
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Polskie Towarzystwo Parazytologiczne 71820
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Poluektova L S 36198
Polukhin F S 11510
Polukhina I N 24724
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Polupudnov A 88291
Polvani C 83843
Polwarth Sheepbreeders' Association of Australia 12077
Polya L 44831
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Polyak G M 25058
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Polyakova L N 24619
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Polykakov A A 7010
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Pomological and Fruit Growing Society of the Province of Quebec 17307
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Pond G A 7534
Pond T H 7137
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Pond V 51354
Pond W G 4210

	Item
Pond W G--Cont	4217
	4223
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Pondel H	78535
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Pong W Y	35955
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Ponirovskii V N	59031
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Ponomarenko F M	12277
Ponomarenko M V	68174
Ponomarenko V M	43536
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Ponomarev L P	17199
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Ponomareva R	4687
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Ponsatti H C	54378
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Ponte A M da	9964
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Ponte B da	71306
Ponte J J da	1199
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Ponten J	46025
Pontin A J	5139
	12969
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	13088
Pontis R E	15895
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Pontovich V E	16872
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Pontynen V	79424
Ponugaeva A G	28430
Pony of the Americas Club	11815
	11816
Ponyatovskaya V M	42150
Ponziani G G	49181
Pook H L	36710
Pool A A	39806
	39842
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Pool M F	7139
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Pool W A	3079
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Poole C F	78148
Poole D B R	91080
Poole H K	20135
Poole J D H	20402
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Poole R T	59840
Poole W D	93657
Poona Central Water and Power Research Station	35519
Poonai P	26317
	29945
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Poorbaugh J H	37579
Poorten M J V	31231
Poostchi I	24743
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Pop A	71682
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Pop C	42488
Pop E	41302
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Pop L	89742
Pop O	34389
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Popa E	28316
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Popa G	39005
Popa I	84466
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Popa M	27406
Popa M--Cont	27456
	27457
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	91879
Popa N	78560
Popa O	71682
	72543
	72945
	72957
Popa P	51929
Popa S	52704
Popa T	52166
	77894
Pope A	10264
	18295
	78871
Pope A L	4028
	4092
	31293
	40681
	63476
	81561
	91709
Pope C D	63510
Pope C W	54722
	91431
Pope D C	3536
	19886
Pope D L	63248
Pope H	48712
	57306
Pope L H	48317
Pope L S	11522
	30731
	45219
	80170
	90934
Pope R	83620
	84829
Pope R B	10644
Pope R D	55750
Pope T E	78123
Popekhina P S	63607
Popekhna P S	41190
Popenici M	75414
Popenko A Kh	89199
Popenoe H	18019
	52621
Popenoe J	1806
	9748
	60816
	61423
Popescu A	27412
	27413
	27836
	28034
	90682
	91241
	91242
	91318
	91319
	91320
	91892
Popescu C	27061
	60600
	91632
Popescu C I	26904
	35627
	61838
Popescu C V	51957
Popescu E	8691
Popescu F	91664
	91687
	91816
Popescu G	10404
	34493
	43233
	45054
	48515
	51974
	51992
Popescu G I	87890
Popescu I	33296
	41867
	41868
	60600
	78560
Popescu I C	10265
Popescu L	27836
Popescu N	26905
Popescu O	93906
Popesko P	90683
Popescu P C	88650
Popescu R	78850
Popescu S	51987
Popescu T	4772
	67797
Popescu V	67885
	67893
	67894
	68967
Popescu-Zeletin I	26791
	46654
Popham E J	5253
	5573
	56038
	64735
	82898
Popielarz E	90351
Popik M G	62210
Popilian I	52127
Popivanov R	27208
	46079
	90812
Popken F	20228
Popkhristov A	11253
	72047
Popko I N	92891
Popkov V P	11658
	11659
Poplaukhin S G	14388
Poplavskii K M	25060
Popnikola N	10768
	79222
Popobici G	42775
Popoff A	31402
Popolina T G	68346
Poposki R	86698
Popov A	11660
	67733
	68953
	76495
	83173
Popov A A	47552
	59317
	61268
Popov A F	87891
Popov A L	1734
Popov A M	89072
	92480
Popov B A	47421
	51958
Popov D	69236
Popov E	75077
	93543
Popov E G	70799
Popov G A	88051
Popov G M	1721
Popov I	15017
	76726
Popov I D	36177
	39843
Popov I E	74029
Popov I F	92849
Popov I S	56566
	72048
Popov K I	63946
Popov K M	85748
Popov Kh	40602
Popov L V	19003
	90232
Popov M	53094
Popov M F	90576
Popov N	56324
Popov N A	19154
Popov N F	27837
Popov N I	21551
	49096
Popov N N	8773
Popov O S	79253
Popov P	27303
	40109
	60899
Popov P A	73234
Popov P S	12181
Popov P V	28803
	37488
	41126
Popov S	93912
Popov V	54613
	54614
	83158
Popov V A	38681
Popov V E	17073
Popov V G	36514
Popov V V	18994
	55813
	61839
Popov Yu A	37436
Popova D	17570
	68503
	68954
Popova E I	24163
Popova E M	83687
Popova G M	59560
Popova G S	25178
Popova I	85568
Popova I A	9307
Popova I V	34561
	67895
	77162
Popova M I	63941
Popova M P	41680
Popova N N	60354
Popova T G	36514
Popova V	91984
	92104

Popova V N 7090
Popova Zh P 61252
Popovic B 19543
Popovic D 80144
Popovic M 42137, 63317
Popovic V 79167, 79455
Popovic Z 60199, 61159, 61160, 68955, 68956, 70619, 70885, 89743, 89744
Popovich A S 90860
Popovich I 36360
Popovici A 2813, 78560
Popovici D 88500
Popovici G 34117
Popovici M 86318
Popovici S 80979
Popovici V 36742
Popoviciu V 64179
Popovkina L M 92201
Popovnina N I 13301
Popovska P 21224
Popovskaya G I 67566, 67567
Popovskaya O M 68957
Popovski B 10405, 10406
Popovski D 43919
Popovski V 92710
Popovskii V G 57064
Popovsky J 24062
Popow G 69406, 77886, 87892
Popp E 21069
Popp H W 29
Popp N 78518
Poppe H H 39971, 48007
Poppe S 72553
Poppel E 45067, 53655
Poppensiek G C 45362
Popplewell M A 78534
Popta Ij A van 54493
Poptsov A V 68958
Popugaev M 57962
Popushoi I 86894
Popushoi I S 33289, 42022
Porcar y Gil 39624
Porcile E 86334
Porembskaya N B 59194
Porfidia F 58064
Porfilio J C A 43203, 46427
Pork M 86541
Porlingis I C 34118, 34119
Pormale M 11028
Porokhov F F 55104
Porra R J 43003
Porras Ramirez J 23661
Porres Juan-Senabre E 44594
Porretta A 22436, 30294, 57097
Porsche W 25470, 43113
Porshneva N S 89358
Porsild A E 41337, 41338
Portal E 13636
Portalis J R 49336
Portas C A M 8241
Porte Fernandez E 11523
Porter A J 33106
Porter A R 90935
Porter C A 24430, 25260, 51577, 88062
Porter C C 21342, 36995, 72477
Porter C L 158, 42609
Porter C R 75706
Porter C V 28899
Porter C W 83433
Porter D A 80303
Porter D D 60486
Porter D M 24631
Porter G G 68561
Porter G H 3605, 19754, 22154, 90936
Porter H C 76333
Porter H G 6557, 22250, 84095
Porter H K 51549, 77811
Porter J E 4552, 4561, 29509
Porter J T 65737
Porter J W 77760, 77812
Porter J W G 93310
Porter K B 24744, 88366
Porter L A 44314
Porter M R 39547
Porter R 6721
Porter R C 93133, 94163, 94164
Porter R J 44283
Porter R M 19755, 54966, 72873
Porter R R 30143
Porter R W 57279
Porter W 67276
Porter W K 1049, 1339, 17771, 17772, 43784, 43785
Porter W L 30954, 48335, 51377, 51451
Porteres R 50621, 74615
Porteres R-- Cont 76876
Porterfield I D 54306, 90852, 91086
Porterfield J G 29926, 74134
Portero Rodriguez F 57307
Porth H 14788
Portici Centro Avicolo per il Mezzogiorno 80712
Portier G 46437
Portisch S 53793
Portland (Oreg) Merchants Exchange 14290
Portman J J 43454
Portman R F 28900
Portman R W 37733, 46403
Portmann A 92309
Portnov S M 70346
Portnov Ya L 62074
Porto Alegre Universidade do Rio Grande do Sul Faculdade de Agronomia e Veterinaria 23508
Portolano N 51281
Portugal J da S 72049
Portugal Direccao Geral dos Servicos Florestais e Aquicolas 2744
Portugal 7903
Instituto 21923
Nacional de 30331
Estatistica 67076, 86007
Portugal Junta Nacional dos Produtos Pecuarios Serv da Producão e Comercio de Las 81145
Portugal Laboratorio Nacional de Engenharia Civil 78311
Portugal Reparticao de Estatistica Geral 56519, 74564
Portugal Secretario de Estado da Agricultura 76046, 83434
Porumboiu C 71614
Porutskii G V 60112
Porzsolt L 14179
Poser P 36676
Poser und Gross Vaedlitz I von 15170
Posgay E 51680
Poshkurlat A P 59561
Posnette A F 575, 50493, 68036, 68037, 87063
Posokhin E G 72673
Posokhov P P 87346
Pospelov A I 54332
Pospelov S P 63404
Pospelova E 83312
Pospelova-Shtrom M V 38050, 92034
Pospisil B 79091
Pospisil J 80567, 91219, 92463, 92464
Pospisil V 41504
Pospisilova D 87893, 88963
Pospisilova J 69106, 69259
Possagno M 11439, 62604, 65983
Possingham J V 1246, 25089, 51282
Possompes B 47224, 56006
Post A 64012, 81789
Post C J van der 26521, 51283
Post D 84754
Post E 224
Post G R 38744
Post J H 60817
Post J J 9627
Post N J 49620
Post R 6822, 48555, 75337
Post R E 31171, 31172
Post R L 20758
Post T B 36677, 36678
Postavnaya V I 79640
Posthumus D 9749
Posthumus G 6237, 65384, 74690, 93421
Postizzi S 19887
Postlethwait S N 33580, 33613, 33653
Postma C 86358
Postma G 30055, 74120
Postnikov A V 2328, 78690
Postnikov G M 72788
Postnikova M S 86837
Poston H A 27880, 62605
Posvai L 89874
Posvar Z 94424
Poszwinska J 34808
Potanina A V 12102
Potapenko G I 86359
Potapenko V Ya 13213
Potapenko Ya I 17382, 50919, 52004, 52005, 56926
Potapov A I 49264
Potapov G M 69863
Potapov Kh 15018
Potapov N G 87894
Potapov N S 24936
Potapov S 7439
Potapova M A 14495
Potapova N K 9400
Potato Association of America 1893, 48462
Potato Growers Association of California and Arizona 75078
Potato Utilization Conference 48347
Potekha N G 69660
Potekhin I I 85429
Potekhin S A 90937
Potemkin N D 62515
Potemkowska E 72478
Potgieter J T 73756
Potgieter S T 7624, 12038
Potharst K 89790
Potito P 54399
Potke E 83145, 83973, 94242
Potlaichuk V I 32997, 51688
Potocic Z 44645
Potoker A B 69407
Potonie R 23890, 49962
Potranandana S 63165
Potschke H 74172, 74173
Potsdam Institut fur Ernahrung 47637
Potsdam Institut fur Landtechnik 92683
Potsdam Pedagogisches Bezirkskabinett 25541
Potsubay J 72674
Potsheba T L 55543
Pottenger F M 26136, 28804, 28805
Potter A K 75653
Potter C 12363
Potter C H 9750, 17495, 17496, 17497, 25758, 43537, 43538
Potter G F 16022, 41681
Potter H S 33363, 58850, 67755
Potter J C 12078, 65076
Potter J M S 78091
Potter L D 15257
Potter Mrs L D 58180, 58181, 58182, 58242
Potter L M 11912, 46027, 62320, 65572, 91440
Potter N 93026
Potter P 36451, 74788
Potthoff H 15019

	Item
Pottinger P K	60349
Pottler V H	40862
Potts D F	11728
Potts G W	65916
Potts H C	58036
Potts R B	6746
Potts T J	6438
	93470
Potts W H	28901
Potul'nitskii P M	61230
Potze C E	31995
Potztal E	41303
	41439
Pouget R	60113
	87895
Pough R H	41682
Poulain-Josien T	54662
Poulenard M	20524
Poulin A O	61292
Poulos A	48642
Poulos P W	27721
Poulsen E	6954
	18020
	78186
	89745
Poulsen J F	19413
Poulsen P R	13785
Poulsen W G	45112
Poulson D F	38232
Poulter I J	65580
Poulton B R	17133
	36190
Poulton C E	87199
Poulton F C J	84937
Poultry Club of Gt Brit	36969
Poultry Science Association	12039
Pound G S	524
	573
	24164
	50497
	59168
	59169
	76739
Pound J	2826
	2979
	11018
	36012
	53697
	65231
	71500
Pounden W D	3489
	3537
	3538
	19803
	20392
	54400
	55039
Poundstone B	18603
	35595
	35600
	70906
Pouplard L	20403
	81104
	81105
Poupry R	58065
	85916
Pourageaud L	36950
Pourquier M	12136
Pourreau-Schneider N	46026
Pouska F	80403
Poussel H	59562
Poutsma T	79376

	Item
Pouwer A	2368
	10266
	44251
Poux C	59946
	65303
Poux J	91552
Poux N	59563
Pouzar Z	293
	24097
Povalyaeva I P	93634
Povarova L N	19564
	62462
Povilaitis B	25529
	33107
	43345
Povolny D	5094
	46404
	46953
	47185
	47186
	47187
Povolotskaya G V	62387
Povolotskaya K L	87896
Povzhenko I E	27414
Povzun I V	37734
Powder W A	73570
Powell A A	93157
Powell A D G	9255
Powell C M	353
Powell D	15931
	16055
	16056
	16109
	22398
	33290
	59076
	60292
	64934
	77067
	77072
	78075
Powell F G	2908
Powell G M	76943
Powell J A	13024
	73846
	82419
	82634
	82767
	82768
Powell J D	17139
	52708
Powell J H	18519
Powell J W	2982
	78872
Powell L A	22724
	38957
Powell L M	1607
Powell N T	9543
Powell P K	23319
Powell R C	32478
	74443
Powell R W	27651
Powell T	25759
Powell T R	10878
Powell W M	59219
Power J H	3539
	80404
Powers H E C	48934
	48935
	48936
	57557
Powers H R	50891
Powers J J	11957
	11958
	31455
	47798

	Item
Powers R	15619
Powers M J	56981
Powlen P A	23331
Powley V M	56510
Powlow I W	85569
Poyarkov V F	10407
Poyarkova A I	15784
	15785
Poyarkova O M	58692
Poyasov N P	18340
Poynter D	91243
	91711
Pozam S	82057
Pozamantir D D	3540
Pozdena J	41984
	87030
	88214
Pozdnyakov A A	53728
Pozdnyakov L K	678
	2587
	87897
Pozdnyakov M	27569
Pozdnyakov P M	45416
	53751
Pozdnyakov V	27672
	49097
Pozdnyakov V N	47354
Pozdnyakova V A	69156
Pozdyakov L K	61800
Pozhar Z A	86699
	86895
Pozharskaya S	43640
Pozhidaev A	20525
Poznanski W	81202
	81203
	91818
Poznokhirin F L	60565
Pozo Fernandez R	57446
Pozo Ibanez M del	16248
Pozo Lora R	54696
Pozon Lobato E	79877
Pozsar B	51284
Pozsar B I	88215
Pozzi B V B	16525
Pozzi L	27415
	80568
Pozzobon A	27838
	62871
Prabashi S C	83435
Prabhu S S	21225
	45655
	45656
Prabucki A L	11187
	72554
	90544
Pradev T	4225
Pradhan S	37644
Pradhan T K	22334
	42992
	51539
Pradipasen P	78003
Prado H del	49766
Pradon J	30121
Pradt A	19414
Praetorius W	29713
	29714
	38501
Prague Vyzkumny Ustav Zahranicniho Obchodu	94148
Prain Sir R	22980
Prakasam P	24321

	Item
Prakash J	16873
	48239
	75021
Prakash O	83853
Prakash S	68347
Prakash U	806
	49963
Prakhov R	90861
Prakov R	54888
Pramer D	50219
	78447
Prandota W	6621
	56953
Prange G F	53606
Prasad A	87898
Prasad A B A	91087
Prasad A R	8639
Prasad B D	19262
Prasad B N	10457
	37812
Prasad C	67024
Prasad H C	577
Prasad N	58805
	67632
	77017
	85875
Prasad N N	41952
	77210
Prasad R B	1204
Prasad S	16372
Prasad S K	20759
	50553
	55442
Prasada R	86700
Prasannakumari T O	50389
Prashar P	1200
	34581
Praslicka M	51285
Prasolov L I	18202
	61293
	89605
Prasse P E	30673
	39392
Prassler W	89746
Prat H	50774
Prat J de	27281
Prat Y	83359
Pratella G	67734
	75220
Pratella G C	33266
	39724
	50220
	77146
	86896
	93658
	93659
Pratelli G	83247
Prater A R	6960
	31294
	31630
Prater T	23350
Prater T E	76552
Prati G	6558
Prato J D	24243
Pratolongo U	40600
	50221
	76712
	87899
	93239
Prats J	25281
Pratt A D	13766
	19415
	80171
	90894
Pratt A J	8954
Pratt A N	15932

	Item
Pratt C	33702
Pratt C A	37283
	54464
	55146
Pratt D E	11957
	47798
Pratt D R	54906
Pratt G H	90346
Pratt H D	5650
	64054
	92212
Pratt H K	22430
	51286
Pratt J M	78448
Pratt L	52114
Pratt L E	44413
	78482
	78519
Pratt M J	42630
Pratt P F	2076
	10042
	18021
	18022
	61161
	70285
Pratt R	42776
Pratt W E	70988
Prault L	66759
	76553
Pravda E I	93630
Pravdic N	77794
Pravdin A M	19078
	70951
Pravdin F N	73877
Pravdin L F	61938
	61939
	71250
	79078
	79338
Pravotorov M A	13110
Pravotorova G A	85759
Prawl W L	85430
Prax A	40721
Prax J	10769
Pray T R	68348
Preaud	15258
Prebble J N	77713
Prebble R E	10006
Precht H	12745
Prechtl C	30404
Precious G	14713
Precsenyi I	42151
	59447
Precupetu A	47110
Preda M	44078
Predescu G	26792
Predescu T	84423
Predkel' K I	69267
Predtechenskii S A	72959
Preece I A	39844
	39845
	65327
Preece T F	473
	474
	475
	41864
	41865
Prehoda J	83605
Preibisch J	72337
	90684
Preikszat U	86280
Preising E	69859
Preisinger A	54984
Premachandra B N	3541
	3542
	19888
Premji M H H	40072
Premji M H H	23621

Premont P 45060
Prempeh H R B A 15020 37134
Premsekar S 25472 77448
Premvati 20404
Prentice J H 83781
Prentice R M 92237
Prentice V F 20868
Preobrazhenskaya E I 68959 68960
Preobrazhenskaya T P 31 24092
Pres J 71994 81188
Prescott G W 50622
Prescott R T 67285
Presnall C 25061
Presnov I N 62396
Presnyak S I 3543
Presnyakov P V 88768
Presoly E 34296
Press C 66840
Press H 26522
Press J J 83987
Presser H 67026
Presthegge K 3390 36515
Preston A P 69733 69756 69757
Preston C 28902
Preston D 14906
Preston H 17773
Preston J 18773 56567 93240
Preston J F 35692 71032 71036
Preston L E 13553 74505
Preston R D 8723 16307 32667 42778 50775 51287
Preston R J 159
Preston R L 36199 45532 79703
Preston R T 27652
Preston T R 27679 36516 36517 45519 72050
Preston W H 16874
Prete L 83782
Pretoria University of South Africa Bur of Market Research 21836 83445
Pretorius D A 35520
Pretorius L 70620
Prettenhoffer I 52827 70621
Pretty K 26261 89681
Pretty K M 18341 77664
Prettyman T J 39196
Preuschen G 14789 57766 74043 75947
Preuschen G-- Cont 76182 76183
Preuss 66808
Preuss B 84702
Preusser H J 11108
Preve A 80954
Prevett F F 37661
Previs S 4694
Prevost A M 58539 58541
Prevosti A 73700
Prevot A 48798 48799 48807 75579 75580
Prevot A R 11311 47261
Prevot M 86897
Prevot P 61424 68961 78691
Prewitt W C 17257
Prey V 7278 7279 40188 57497 73107
Prezent A 47381
Prezent I I 15564 42777
Priadcencu A 34120 42413
Priaulx A 79485
Pribela A 6640
Pribyl E 72211
Pribytkovskiy L N 94319
Prica D 51002
Prica V 61160 68955 87900
Price A 5028 12840 38331 82319
Price C A 16947 51550 60114 60115
Price D 12221
Price D W 12793 13025
Price D Z 76767
Price F C 28181
Price F E 17200 40934
Price G E 27108
Price H F 64671
Price J D 41127
Price J F 45438
Price J I 72675
Price J W 72372
Price K E 72604
Price L 9112
Price M A 46405
Price M D 20595
Price R D 73907
Price R E 94182
Price R G 4716
Price T J A 78873
Price W C 16141 59166
Price W H 28902
Price W T 23799
Price W V 6235 6329
Price W V-- Cont 41198 48087 65426
Price's (Bromborough) Ltd 18520 40073
Prichard E C 160
Prichard M F L 94780
Prichko V Ya 30405
Prickett F 41055
Pridantseva E A 68043
Priddle W E 1962
Pridham A M S 17498 17774 52281 86686
Pridham T G 68712
Pridham T J 3729 28083 63106 63113
Priebe 85172
Priebe H 11386 13144 14790 66572
Priegel E 90374
Priehradny S 61425
Priemer G 5676
Prier J E 3691 20314 63056 63057 91100
Prier R F 36822
Priesner H 5637 82551
Priesol A 2600
Priest D 8512 41866
Priestley C A 60116
Priestley W G 34121
Prieto Heraud E 17061 17062 17253 17599
Prieur W D 28035 28036 63058 91244 91245
Priezzhev G V 51681
Prifti M 50458
Prigent J P 64514
Prihoda A 32998 67896 86898
Prihoda J 94075
Priimachenko A D 68175
Priimak A K 22310 89200
Prikhodchenko E P 33291 59725
Prikhod'ko L S 69115
Prikladovskaya N F 60818
Prillinger F 65328
Prilop H 12937 12938
Prilutskii D N 93158
Prilutskii I I 7280
Primatesta G 40270 56785 83922 93380
Primault B 50222 82320
Prime C T 41440
Primentas N 13993
Primo E 57083
Primo Yufera E 56488 56973 57098 57180 65716 65797 65809 65917 75338
Primost E 9113 34122 35382
Primost E 44252
Prince J 39037
Prince J E 40271
Prince J H 3176
Prince J S 20635
Prince P 24820 29946
Prince R J 30674
Prince R P 46027 60117
Prince Edward Island Dept of Agriculture 94856
Princes Risborough (Eng) Forest Products Research Laboratory 19347
Principi M M 92668
Princis K 82845
Prine G M 16249 16773
Pring M E 679
Pringle C 38279
Pringle E W 94622
Pringle G 38051
Pringle G E 22051
Pringle J 37887
Pringle J W S 64254
Pringle R B 1383
Pringle V 41001 58274
Pringle W V 7153
Pringsheim E G 15841 16875
Pringuet A 84837
Prins V de 63279
Prinsloo H 3359 62668
Prinsloo H E 5574 5575 29768 67633 73878
Print E C 56101
Print G P 38606
Prints Ya I 29091
Printz H 42152
Prinz I 54964
Priode B M 3312 12382
Prior K W 26947
Prior P V 24049
Prioton J 66353
Priou M L 60119
Prishchak G 25473
Prishchep L G 67735
Prishchepa S M 31524
Prister B S 1388 87816
Prisyazhnyuk A A 59032 86899
Prisyazhnyuk P F 83076
Priszter Sz 15691
Pritchard A J 59564
Pritchard G G 1371 77813
Pritchard G I 11183 28444
Pritchard I 7952
Pritchard J L R 22725
Pritchard R H 50892
Pritchard T 50067
Pritchard W R 54401 54402 54410 62720 72212 79878 91042 91088
Pritchett W L 2687 18015 18043 18342 18343 61101 61427
Pritsch G 12702
Prittie T 49182
Pritulin P I 11312 27416 36316
Privalov G F 71251
Privalova L A 15701
Privett O S 48800
Prizhukov F B 1026 42153
Probert F H 7300
Probert S M 7300
Probine M C 42778
Probst A H 9520
Prochaska F C 26344
Prochaska S W 5974
Prochazka F 24533
Prochazka J 79879
Prochazkova Z 41962 87084
Procopio M 6439 39447 48148 74735 74925
Procopio P N 9751
Procos J 12148 63511
Procs T 67216
Procter J 9371
Procter T W 6385
Proctor B E 14059 39709
Proctor E A 39685
Proctor G R 8264 50002
Proctor J F 12054 37243
Proctor J H 17101 20760 33090 73228
Proctor J M 35027 35028 35029
Proctor M C F 8274
Proctor R E 94320
Prodan M 26683 84838
Prodanov P 11313 11314 11315 12418

	Item
Prodanov V I	62872
	80405
Production Credit Associations	75885
Produktschap voor Landbouwzaaizaden	76554
Produktschap voor Margarine Vetten en Olien	14500
	84839
Produktschap voor Zuivel	13706
Economisch-Statistische Afdeling	83949
	93441
Proebsting E L	10268
	24828
	34123
	35421
	35469
	69709
	86692
Proebstle A J	43494
Proefboerderij Heino	23292
Proels W	35617
Prohaska F J	32586
	73136
Prohaszka L	12278
	19544
	36679
	72555
	91441
Proiser E	16960
Proja M	76600
Prokaev V I	35659
	79117
Prokapalo I S	26374
Prokazin E P	27157
	44832
	61940
	79339
	90233
Prokazina T P	44832
Prokhanov Ya I	15786
	15787
Prokhorov M I	33108
Prokhorov N S	59507
Prokhorov V B	62044
Prokhorova K P	46595
Prokhorova M P	27570
Prokof'ev A A	25062
	34124
Prokof'ev M A	29092
Prokof'ev O N	9886
Prokof'eva A M	74393
Prokof'eva M N	59565
Prokof'eva T	40107
Prokof'eva-Bel'govskaya A A	68504
Prokop J	90066
Prokop L	41056
Prokopenko S F	29988
	29989
	55443
	56234
	83174
Prokop'ev G S	85303
Prokop'ev M N	90234
Prokopic J	71821
Prokopova D	83030
Prokopovich P I	4825
Prokopovitsch L	54756
Prokoshev V	70654
Prokoshev V N	44253
Prokov'ev A A	9114
Prokudin A N	19121
Prokudina F	50388
Prokudina F V	63947
Prolic I	80650
Promersberger W J	93014
Pronczuk J	77341
Proni G	32323
	49183
Pronin A F	13201
Pronin M	72780
Pronin M E	51288
	87901
Pronin V A	59566
	59567
	59568
	59569
Pronina N D	68713
Pronk F	36885
Proost M de	47799
	75181
	76680
Propst B	51258
Proriol P	19889
Prosandeev V	91089
Prosandeev V K	27839
	80868
Proshin Yu G	81300
Proshkina-Lavrenko A I	225
	226
	227
	228
	33703
Prosinski S	62100
	62101
	62102
	62157
	62179
	62215
	62243
	62244
Proskauer J	209
	68349
Proskowetz R	22879
Proskurin I	66389
	75859
Proskurnya L I	60707
Proskuryakov N I	69237
	75257
Proskuryakova G M	15699
	15788
Proskuryakova O F	18995
Prosser C L	92310
Prosser D	78874
Prost J	62873
Prost P J	20963
Prostakov M P	11616
Prosterman A M	56568
Prostoserdov A	75283
Prostyakov A P	45657
Proszynski J	38052
	82183
Prot L	20044
Prot-Lassalle J	27417
Prota R	33109
	37662
	37663
Prota U	33292
Protacio D B	28739
Protasevich R T	76955
Protasjev M S	61579
Protasov P V	79018
Prothero R M	7791
Prothon	35521
Protin R	48311
	74616
	75079
Proto V	14220
	45220
	48508
	79704
Proton	45785
Protopopescu V	53020
Protopopov A	56109
Protopopov V V	18996
	61840
Protsenko A E	33406
	50505
	59033
	59170
	67897
Protsenko A I	73639
Protsenko D F	16760
Protsenko E P	67934
Protsenko Z I	94037
Protz R	52673
Proudfit F I	86054
Proudfoot F G	4006
	46068
	80713
Proudfoot K G	52128
Proudfoot R	81021
Proudfoot V B	7698
Prouty C C	13809
	22035
Provan A L	65415
	93317
Provasoli L	51289
Proverbs M D	64672
	82769
	82770
Provost A	11583
	27889
	41199
	54033
	75785
	85104
Provost M W	5204
Provost R	48235
Provotorova A E	17071
Provvedi F	31403
Prowel A W	76184
Prowse G A	16250
Prozina M N	44
Prozorov Yu S	59317
Prozorovskii N A	68176
	86360
Prudhomme	84164
Prud'homme N	42414
Prudic Z	18860
Prudovsky S	36955
Pruett E W	53339
Pruett J	31437
Pruett L J	52282
Prugar J	84502
Prugelhof F	91321
Pruitt D W	92312
Pruitt E L	32555
Pruitt W O	1201
	2422
Prugar J	88263
Prulhiere N	72443
Prummel J	10269
	70622
Prun	59034
Pruner G	34316
Prunetti P M	7904
	9545
	49495
Prunster R W	91646
Prusa V	42647
	46513
	87093
Prusak L P	93818
Prusinkiewicz Z	70286
	70456
Pruski W	72395
Prusova H	68962
Prutenskaya M	59035
Pruter A	88407
Pruthi H S	12585
	37489
Pruthi J S	48333
	48463
	48789
	48790
	48791
	48792
	48802
	48803
	65232
Prutovykh P N	85570
Prutskova M G	88408
Prutz D	72378
Pruul H	62693
	63602
Pruvost P	66841
Pryadko A	11660
Pryadko E I	62874
	62875
Pryakhin M I	59318
Pryanishnikov D N	78692
Prybyla J S	94321
Pryde J G	86008
Prykop O O	89073
Pryor L D	55218
Pryor M E	37966
	55641
Pryor W J	3545
Prytherch E I	35030
Prytz S	49621
Przelecka A	29715
	29716
Przhegorlinskii V I	61426
Przybyłowicz S	84347
Przybylska J	60344
	68505
	68963
	69169
	69238
	69587
	88200
Przyjalkowski Z	28903
	62446
	62447
Psalom P G	7253
Psarev G M	9546
	57767
Psareva E N	86900
	94091
Pschorn-Walcher H	12656
Pshechenkov K	83077
Pshedetskaya L I	16057
	67356
Pshenichnikov V G	11343
Pshenichnikova N M	12496
Pshenichnyi P D	45675
	53972
Pshenin L N	68964
Pshenina T I	68814
Pshenychnyi P D	55109
	62619
	63132
Pshenova K V	43004
Pshonnova V G	35124
Ptacek J	36523
	78229
Ptashkin A A	72811
Ptitsyn S D	13279
Ptitsyna N V	33293
Ptytsya O M	46016
Ptytsyn M O	90235
Pubols B H	14046
	14072
	30921
	48348
	57122
	84399
Pucci E	59036
Puccini G	22943
	85128
Puccini V	3688
	80221
Puchal F	37338
Puchalski T	10672
	18861
Puchaud H	27840
Puche Navarro R	89747
Puchelt D	64064
Puchert H	35680
	35681
Puchkov V G	63782
	64515
	64516
Puchkov V H	29555
Puchkova L V	29024
	64259
	64442
Puchkova L V	64517
Puckett D E	5557
Puckett H B	13418
	65034
Puckett R	5722
Puddle C	17499
	25760
Pudelkewicz C	80751
Pudlo-Palonka K	49418
Puerta C de la	9604
Puerta J	89201
Puerta Romero J	88409
Puerto Rican Sugar Technologists	22880
Puerto Rico Autoridad de Tierras	15021
Puerto Rico Dept de Agricultura y Comercio	41128
Puerto Rico Direccion de Planificacion Agropecuaria	7828
Puerto Rico Water Resources Authority	13407
Pueyrredon E M	22598
Puffe D	44213
Pufulescu D	81072
Pugach M F	69126
Pugachev A	5772

	Item
Pugachev A-- Cont	56060
Pugachev A N	64861
Pugachev A N	68965
Puget E	62448
	63059
Pugh C R	31874
	40601
Pugh G J F	26100
Pugh L P	8050
	11316
	11661
	86200
Pugliese A	80932
Puglioli U	3527
Pugsley H C	9752
Puhakka P	79069
Puhalak J	91400
	91401
Puhr L F	2315
Puia I	68257
Puig G O	84659
Puig Negre R	13483
Puiseux-Dao S	69041
Puissegur C	55751
	64367
Puissegur J A	36912
Puiu C	71368
Puiu S	46654
Pujal M	65585
Pujarniscle S	9226
Pujdak J S	57006
Pujol R	46579
	81790
Pujszo K	74926
Pukalov B P	17054
Pukhal'skii A	94016
Pukhal'skii V A	50776
	77665
	88454
Pul W	78312
Pulatov U Yu	18521
Pulawski W	5316
	5317
Pulby J F	44254
Pulgar J	21552
Pulgar Arroyo J	83207
Pulgar Pulgar E	62449
Pulido R B	46484
Pullar E M	4275
Pullar J D	20367
Pullar W A	77948
	78489
Pullen D	84582
Pulley A O	22881
Pullin J W	63512
	81054
Pullisaar T	41520
Pulp and Paper	79556
Pulp Chemicals Association Tall Oil Products Div	11056
Pulsford M F	3945
Pulver G C	15096
	31996
Pul'ver K I	55323
Pul'ver K Yu	20676
Pulvirenti G	72842
Pulz	13750
	30593
Pumphrey F V	26318
Pun C F	3946
Pung A	62606
	80070
Pung A I	62619
Pungs L	53698
Punjab (India) Board of Economic Inquiry	6023
	39548
	40272
	40295
	40333
	40682
	76275
Punjab (India) Economic and Statistical Organisation	21924
	93187
Punnett P W	30406
	30407
	39197
	65329
	83688
Punt W	68350
Puntschart H	86096
Punyasingh K	77887
	77888
Puppini G	35165
Pupykin A	89202
Purcareanu G N	61754
Purcell A E	9115
	30951
Purcell F X	53607
Purcell J C	75415
	93846
	93984
Purcell R I	48380
Purchase H G	20087
Purchase H S	3333
	19794
Purcifull D E	539
Purdie-Pepper E	3887
Purdom M R	37242
Purdue Marketing Clinic	74469
Purdy H	36451
Purdy J G	3546
	3692
Purdy L H	8513
Purdy M	49518
Purewal S S	15259
	15260
	18344
Puri B R	13751
	52429
	93318
Puri D D	22882
	22883
Puri G S	16251
	16252
	25991
	50623
	78259
Puri T R	74676
Puri V	33704
	59570
Puri Y N	2836
Purkayastha B K	63758
Purkayastha S K	45148
Purkhiser E D	54146
Purnell H M	26840
Purohit K	90938
Purohit R M	14491
	14493
	31394
Pusateri F P	84368
Pursel V G	37264
Pursell A H	7392
	14714
	23023
	23024
Pursell C W	54887
Purser A F	37179
Purslow D F	10952
	49989
Purss G S	59037
Purtov P I	15022
Purtscher E	28037
Purushotham A	2859
	44990
Purushothaman G	43136
Purvis O N	51290
Pusca I	71501
Puscasu A	33302
Puschel F	45200
Puschel V	69864
Puschner J	27841
	84703
	91079
Pusey J G	69865
Pushkarev I	89203
Pushkarev N M	25635
Pushkareva V I	11343
Pushkarnath	25843
	52129
Pushkinskaya O I	44028
Pushko D	94425
Pushnarnath	51291
Puska R	71152
Puspok J	39846
Pussard R	82771
Pustarnakova N S	90164
Pustelnik J	90835
Puster G	7154
	75654
Puster J G	31465
	75655
Pustovoitov N D	89464
Pustovoi I F	4276
	28904
Pustowka T	55110
Pustygin M A	83113
Pusztai A	10331
	51682
	52885
	52886
	60451
	61093
	61094
	78313
Pusztai Mrs A	52886
Pusztai S	48713
Puterbaugh H L	40296
Puth M	53669
Puthod J	57637
Putii V	88964
Putii V K	51909
Putilin M M	87200
Putland A H	84503
Putman W L	46801
	81788
Putnam C D	73640
Putnam J A	53286
Putnam L A	84270
	84271
Putnam L G	73108
Putnam P A	3391
Putnam R M	17288
Putnam County (Tenn) Soil Conservation District	78954
Putnik M	90605
Putod M	53046
Putraruchi B	29016
Putt E D	7535
Puttarudriah M	24165
	28905
	29025
	29026
	50223
	81791
Putten B J Van	54169
Putter P de	5677
	5823
Puttler B	12497
Putz H	57862
	57863
Puustjarvi V	35383
	44255
	52542
Puya I A	34242
Puyaoan R D	55019
Puytorac P de	28516
Puzyrei V	13253
Puzyrei V P	74121
Puzyryov S	27132
Puzzi D	29120
	37711
	55506
	92174
Puzzilli M	68966
	88804
Py C	78054
P'yankov A I	31526
Pyanovskaya L P	27931
Pyatetskii B G	13291
Pyatetskii G E	17909
Pyatnitskii S S	26906
	51292
	61941
P'yavchenko N	18522
P'yavchenko N I	61875
	68177
Pycha M	26523
Pyeatt L	25761
Pyka E	65374
Pykhtina T K	60024
Pylaev M	27088
Pyl'nev V M	50777
	69239
Pyne C H	22110
Pyne G T	47937
Pyne Gould Guinness	22599
Pyrch D	65633
Pyrethrum Board of Kenya	20596
Pyriki C	31615
	31616
Pyron J H	25762
Pyshkalo R P	73270
Pysin K	76047
Pysin K G	94322
Pysin N	40602
Pytasz M	72479
	91373
Pytel J	92963
Pytko I U	86927
Pyung K Y	77666
Pyzik T	66046
	66760
	66761
Qadri S M A	53047
	71155
Qadry S M J S	50778
Qaiyum F	24591
Qasem S A	39805
Qayyum A	81771
	81772
Qayyum M A	61095
Qazi A Q	32999
Qazilbash N A	43874
	78260
Qosja X	43786
Quackenbus T H	70800
Quackenbush F W	2526
	6440
	44037
	44525
	44526
	48892
	48893
	51580
	61659
	78449
	93471
Quackenbush G G	47900
	74789
Quackenbush H E	83114
Quade J	83078
Quadling C	50454
Quadrat-I-Khuda M	48464
	57379
Quadri C A delli	80280
Quadri P	48088
	74736
Quaedvlieg E J A A	15565
Quaglia A	12533
	70011
Quadri P	83783
Quaglio G	3947
	80864
Quagliotti L	29911
Quagraine K A	17962
	18196
Quak F	87064
Quam A N	2691
Quante P	94928
Quantin A	50624
Quantin P	61343
	61620
Quantz L	33407
	42023
Quaraishi M S	46406
Quarante M	27491
	45391
Quarenghi F	53973
Quarter Horse Journal	91296
Quartermain A R	19756
Quarterman J	90923
Quarterman K D	4415
	4505
	4547
Quartey J A K	22944
	30952
Quartey-Papafio H K	94595
Quarthal K	56441
Quass F W	49681
Quast P	75447
Quate L W	5140
	5141

	Item
Quate L W--Cont	21226
	37965
	38223
	64443
	64444
Quaterman E	77342
Quatrefages H	12136
	54941
Qudrat-I-Khuda M	43005
	43006
	48336
	48556
Quebec Bur of Statistics	6088
	14617
	30691
	31077
	65269
	93768
Quebec (City) Universite Laval Fonds de Recherches Forestieres	18997
Quebec Dept of Agriculture	57864
	94857
Information and Research Serv	86701
Information Serv	40506
Livestock and Health of Animals Br Poultry Div	91593
Quebec Dept of Colonization	66573
Quebec Dept of Lands and Forests	76185
Quebec Farm Credit Bur	23025
Quebec Feed Board	79705
Quednau W	5318
Queensland Agricultural Bank	7393
	23026
Queensland Bur of Sugar Experiment Stations	48937
Queensland Butter Marketing Board	30561
Queensland Dept of Agriculture and Stock	15512
	69707
	88410
Div of Animal Husbandry	3392
Div of Marketing	5976
	83436
Seed Testing Station	7218
Queensland Dept of Forestry	10575
Queensland Dept of Public Lands	23293
Queensland Government Chemical Laboratory	74428
Queensland Irrigation and Water Supply Commission	70801
Queensland Land Tax Off	23063
Queensland Meat Industry Board	22569
Queensland Peanut Marketing Board	7091
	93932
Queensland Society of Sugar cane Technologists	57558
Queinnec-Maulat B	20027
Queiroz J C	28016
	28885
	28906
Queiroz J de B	1693
	34619
	78014
Quene T	49438
Quenouille M H	91457
Quentin R M	64368
Querberitz F	6151
Quere J J	19757
Querengasser F A	44833
Querner H	28379
Querner W	29432
Quersin-Thiry L	36317
	45323
Quervain M de	26948
	90265
Quesada A	80714
	80869
	80870
	81108
	81109
	83974
	84899
Quesenberry J R	11440
Quesseveur J P	61876
Quest H	13786
Questel D D	5319
Questienne	24166
Quevedo C V	70852
Quevedo F	18156
Quevedo J M	55042
Quevedo J M R	90685
Quezel P	76909
	86361
	86407
	86496
Qui K H	42973
Quiaoit A R	87066
Quiaoit E R	21468
Quick A J	63000
Quick C R	33294
Quick Frozen Foods	5977
	65233
	83507
	93159
Quidet	61428
Quidet P	52828
Quigg F B	10984
	70952
Quigg J B	94781
Quigley G D	3924
Quigley P J	80569
Quilici V	60118
Quillet F	76311
Quillet M	60119
Quimby M W	68217
Quin A H	3778
	28118
	45837
Quin A H--Cont	46268
	53974
	79880
	80406
Quin L D	25236
Quin P C	13026
Quinby J R	913
	9503
	42415
Quinchon C	36691
Quinitio P H	84363
	86039
Quinlivan B J	25063
	60566
	77667
Quinn C J	807
Quinn D O	81645
Quinn E	35453
	57768
Quinn F	75581
	85014
Quinn J G	22137
	30712
	44519
Quinn J J	48381
Quinn W G	56833
Quinney D N	61755
Quintana F J	20905
	73235
Quintana R	92216
Quintanilla R H	76555
Quintanilla Rejado P	35384
Quintarelli G	11230
Quintero J L	23027
Quintero Alfaro J L	14098
Quintero Quintero J	78693
Quintiliano J	35444
Quinto F P de	9670
Quinton R J	46580
	81423
Quirk J P	2039
	17910
	52421
	59756
Quisenberry J H	3067
	3908
	12042
	20166
	20297
	36996
	37135
	63249
	72556
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	80761
	91442
	91594
Quispel A	51293
Quist J A	46581
Quist J C	84369
Quitt H	37817
Quittenton R C	39165
Quo F	38547
Quoilin J	64067
Quraishi M S	41347
	41528
	41529
	46981
Qurashi M M	48734
	48735
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Qureshi M	65759
Qureshi M I	40055
Qureshi R U	83559
Qureshi S A	914
Qureshi M I	14477
Qureshi M R H	9432
Qutubuddin M	4416
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Raab H	6832
Raab J	83591
Raabe R D	58886
Raacke I D	1372
Raadsveld C W	13752
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Raadts E	87347
Raafat M A	36680
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Raaflaub W	80570
Raalte D van	58887
Raalte M H van	42512
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Raath J C	85507
Raatikainen M	29535
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Raatikainen T	86497
Raatz E	68934
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Rabaglio M A	46722
Rabago Gonzalez S de	90686
Rabari L F	7087
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Rabaron G	46886
Rabechault H	32837
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Rabello E X	55276
Rabilloud J	38992
Rabino L L	88651
Rabinovich A Sh	47355
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Rabinovich A V	28691
Rabinovich L	94243
Rabinovich M	13994
Rabinovich V A	10043
Rabinovich V M	57769
Rabinowitch E	88216
Rabitsch O	38821
Rabochev I S	14907
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Rabotnov T A	69588
Rabuffo V M	74790
Rac R	81112
Race D H	48003
Race S R	12498
Racenis J	82899
Rachapaetayakom P	72492
Rachenko V P	3044
Rachiah N	32202
Rachie K O	86425
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Rachinskii V V	78875
Rachkovskaya E I	68096
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Rachmuth I	75836
Rachman M	36318
Rachou R G	37478
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Rachunas A A	7625
Racik J	1373
Rack G	82184
Rack K	8514
Racker E	56974
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Racovita A	43787
Racovitan N	89748
Racz A	86281
Racz J	35964
Racz L	31660
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Racz-Kotilla E	35068
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Raczkowski J	11104
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Rada Jordan E	10508
Radaelli L	10037
Radaeva I	93373
Radan M	80407
Radbruch G	49852
Radbruch R M	49852
Radchenko M G	65094
Radchenko O N	59571
Radchenko S I	59572
Radchenko T G	81716
Radcliffe R	21967
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Raddatz E	50554
Radebaugh C	19965
Radel F E	21828
Radeleff R D	12419
	12424
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	Item
Radeleff R D--Cont	81562
Radema H	56612
Radema L	13753
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Rader C H	78876
Radet E	52543
Radet for Hage-bruksforsok	43357
Radev G	3158
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Radev T	3177
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Radford D P	12182
Radford M A	54442
Radford P	12183
	12184
Radforth N W	49964
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Radha K	50389
Radhakrishna-murty B	87420
Radhakrishna-murty R	6823
Radhakrishnan A N	34323
Radhakrishnan M	13948
Radhakrishnan T	84092
Radic L	88411
Radice J C	73571
Radicke H	3547
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Radil M	40014
Radishchev A P	34809
Radke O	6559
Radkevich P	72213
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Radkevich P E	11318
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Radler F	59757
Radley J	28445
Radloff H W	15789
Radlow A	33774
Radoi D	24167
Radoi D I	12649
Radomska M	63593
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Radomska M J	72812
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Radomski C	41684
Radomski M W	39847
Radonjic M	9116
Radonjic S	12668
Radonjic S--Cont	81902
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Radostits O M	27869
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Radouco-Thomas C	53976
Radouco-Thomas S	53976
Radovancich P	43790
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Radovanovic M	83480
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Radovanovic Z	20761
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Radovsky F J	64408
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Radtsev V S	74298
Radtsig N T	32634
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Radulescu-Ivan D	68170
Radulovic J	53977
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Radwanska-Paryska Z	67490
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Radzimowski T	69673
Radzinskaya L I	63482
Radziszewska A	17346
Radziszewska F	42756
Radzymovs'kyi D O	86155
Rae A L	72833
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Raehse H	15023
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Raes J R	22884
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Raffin P	39625
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Rahalkar G W	21323
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Raheja B C	85746
Raheja P C	18023
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Raicu L	91641
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Raiko P N	79226
Raikov B E	76740
Raikov E	86903
Raiku K	33306
Railway Tie Association	11001
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Raimondi P	1488
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Rainwater C	36382
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Rainwater J C	12369
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Rait K Ya	37361
Raith H	6906
Raithby G E	23294
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Raithy G E	27571
Raitviir A	16876
Raizada M B	161
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	Item
Raj B	77396
Raj T R N	59040
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Rajagopalan R	84801
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Rajamani T S	87348
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Rajchel J	91893
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Rajki S	34433
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Raju T S	10408
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Rakauskas P	92105
Rakcsanyi L	65330
Rake I	32436
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Raker C W	91307
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Rakha A H	19807
Rakhimov K	28430
Rakhimov Kh	43202
Rakhman B E	7101
Rakhmanov R R	61454
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Rakhmanov S I	62045
Rakhmanov V V	51296
Rakhmanyuk V V	14618
Rakhmatulin A F	72606
Rakhmatullin M G	79456
Rakhmatullin R G	80598
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Rakhno P Kh	61231
Rakhovich M Z	18524
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Rakisheva Ch S	70625
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Rakitin Yu V	25410
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Rakitina Z G	25410
Rakitnikov A N	85743
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Rako A	27696
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Rakonczay Z	79224
Rakosi Gy	92767
Rakotondrainibe C	35434
Rakovich M I	86904
Rakovskii V D	69098
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Raksha E I	25064
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Rakshpal R	29770
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Raleigh R J	11536
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Raleigh S M	17775
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Raleigh S M--Cont	52283
	52284
Rall' Yu S	16877
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Ralph C L	82854
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Ralph J T	7536
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Ralston J C	11724
Ralston Purina Co	36319
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Ramachandra Iyer P K	12147
Ramachandra Rao T	4410
Ramachandra-Reddy T K	67634
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Ramachandra-chari C	29093
Ramachandran C K	8838
Ramachandran C P	29094
Ramachandran K	8776
Ramachandran K N	81138
Ramachandran K S	30675
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Ramachandrarao S	8845
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Ramadoss C	44090
Ramage R T	24745
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Ramahadimby G	44167
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Ramain P	67635
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Ramakrishnan C V	9250
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Ramakrishnan P S	33534
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Ramalho F J N P	72277
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Ramalingam C	75948
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Ramamurthy K	67453
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Ramanandan P L	52668
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Ramasco-Vittor G	39198
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Ramaswamy M N	16852
Ramaswamy V M	45744
Ramaswany B R	39574
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Ramayya N	50780
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Ramazanova S S	67888
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Ramdial B S	44692
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Raminella P	39626
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Ramirez R	1203
Ramirez A I	34435
Ramirez E R	17075
Ramirez de Arellano R	77978
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Ramirez R E	34448
Ramirez Valenzuela M	37035
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Ramos Grau R	48938
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Ramsden Sir G	25764
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Ramsey B L	32205
Ramsey C B	66040
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Ramsey C E	14950

	Item
Ramsey C H	3948
Ramsey D S	19416
Ramsey E W	21892
Ramsey G B	14181
Ramsey H A	36682
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Ramsfjell T	59041
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Ramson A	41871
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Ramstad J	57757
Ramulu U S S	35522
Ramusino F C	39157
Rana J C	72068
Ranadive J P	10278
Ranaud-Goud L	40189
Ranaweera D J W	73275
Ranby P D	46257
Ranchev I	66682
Ranchou R	28907
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Randall C C	63147
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Rands R D	50390
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Ranney C D-- Cont	43198
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Rao M S S	1130
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Rao M S V R	78956
Rao M V	8842
	9407
	61669
	67922
	77435
Rao M V K	81138
	84846
Rao N G	39186
	49741
Rao N P	15133
Rao N S G	61563
Rao N V M	31576
Rao O S	93958
Rao P	85305
Rao P B	25068
	77670
Rao P G	24323
	24324
	24331
	59172
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Rao P K K	94940
Rao P N	8308
	8778
	24098
Rao P R	45105
	68639
	75506
Rao P R N	12500
	37665
Rao P S	2947
	31405
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Rao P V S	31047
	31048
Rao R K	23692
	87454
Rao R P	41872
Rao R R	24634
Rao R S	682
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Rao R V S	81424
Rao S	55344
Rao S B P	24329
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Rao S R	25371
Rao S S	71687
Rao S V	34436
	49741
Rao S V S	22950
Rao T A	76878
Rao T K	26322
Rao T M	31576
Rao T N R	6052
	84215
Rao T R	4546
Rao T S	24634
	26321
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Rao T S R	26322
	55331
Rao U N	1894
Rao V D	9433
Rao V G	41569
	67899
	77164
	86906
Rao V K R V	94324
Rao V M	78938
Rao V N M	67139
	78163
Rao V P	12501
	46954
	55220
	94812
Rao V R	15263
	26302
Rao V S	808
	33709
	44733
	60698
	76968
	84200
	89074
	90035
Rao V V	88251
Rao Y K R	7092
Rao Y R	4418
	21227
Rao Y R A	21961
	35081
Rao Y S	12476
Rapaport K	49392
Rapella H J	43539
Raper C D	7219
Raper C R	17813
Raper J R	16474

	Item
Raper J R--Cont	33765
	33797
	50783
	68433
Raper K B	33659
Raphael H J	90489
Raphael R A	4809
	34267
	77778
Raphael T D	51298
	89204
	93660
Rapic S	3157
	23800
	28692
	36684
	54404
Rapilly F	86907
Rapley B	10383
Rapley R E	4554
Rapoport H	1393
Rapoport I A	38224
	64446
Raposo B H	94183
Rapp D	46369
Rapp J P	36824
	63044
Rapp W F	5638
	20672
	37587
	81563
	82901
Rappaport I	16162
	42050
Rappaport L	68969
Rappard F W	71542
Rapparini G	73283
Rappay D E	90594
Rappen W	72925
Rapson W H	36072
Rarimampianina M	82058
Rasanescu I	39393
Rasbech N O	91842
Rasch D	54125
	80139
	90689
Rasch-Nielsen F	23801
Rasenescu I	48806
Raseta J	31258
	48637
Rashba O Ya	86363
Rashchenko I	43310
Rashevskii K P	11662
Rashevsky M	24635
Rashid A	68445
Rasi G	66298
Rasins A	15700
Rasin'sh P P	27153
Rasinya B P	68075
Raski D J	50536
Raskin G	94165
Raskin G F	47528
	75860
Rasko A	22400
Raskopf B D	3870
	22767
Raskopf B D--Cont	56838
Rasmayev I I	34103
Rasmusen B A	63613
Rasmuson M	38225
Rasmussen A B	13145
	74677
Rasmussen B L	44615
	44646
Rasmussen C L	39068
Rasmussen C R	9844
	78694
Rasmussen D	75086
Rasmussen E	1807
Rasmussen E D	51993
Rasmussen E F	19166
Rasmussen E J	14047
Rasmussen F	19892
	27842
Rasmussen G K	34181
	51299
	61429
	61441
Rasmussen H	90798
Rasmussen K	52545
	78379
Rasmussen O G	45929
	80737
Rasmussen P G	37080
Rasmussen R A	45221
	48601
Rasmussen S	82321
Rasmussen W D	38958
	67254
Rasmusson D C	24330
	25351
	25352
	43139
Rasmusson G	49400
Rasmusson L W	7793
Rasmusson R	44642
Rasp H	52830
Rasper V	74617
Raspet M W	77513
Rasplicka L D	93958
Raspopov P M	81903
Rassadina K A	67636
Rassloff G	7671
Rassmussen F	27761
Rassudov B A	19122
Rassvetaeva N I	81692
Rast D	77671
Rastogi S C	38332
Rastorguev L I	79400
Rastorguev P	27653
Rastogueva L I	68970
Rasulev F	94190
Rasulpuri M L	56982
Raszeja-Tobiasz E	66574
	95149
Raszewska H	20238
Rataj K	73237
Ratajczak K	66479
Ratan A	20849
Ratananukhroe R	25992
	25993
Ratanova V F	46626
Ratansey D	22516
Ratarasarn S	62879
Ratchford C B	65533
Ratchford W P	65101
Ratcliff H M	51787
Ratcliffe D A	33545
Ratcliffe H L	20253
Ratera E L	69866
Rath H	75022
Rath K	39549
Rath S	30526
Rath U	62880
Rathburn C B	37588
Rathe R	18862
Rather	15264
Rathgeber N	16305
Rathje W	10270
	43968
	57559
Rathmayer W	37437
	81987
Rathmell J H	35978
	25765
Rathmell J M	74386
Rathore A	15265
	15266
Rathore A K	20331
Rathore Y K	12514
Ratliff E F	21626
Ratliff R D	60567
Ratnam B V	87906
Ratnam L V	38662
Ratnam T C	24623
Ratnaswamy M C	12502
	42289
Ratner E I	34320
	51300
	87907
Ratner L S	36320
	79882
Ratner M D	83438
Ratner R	8993
	59915
Ratnikov A I	2101
	18345
Ratomski A	72768
Ratsep E	63602
Ratsimamanga A R	87537
	87908
Ratto F de O	39200
Ratto M O	75837
Rattray A G H	53095
Rattray E A S	36739
Rattzen B	25353
	51788
Ratz W	40403
Rau	10645
Rau G J	78974
Rau J	86416
Rau S A	17854
	33112
Rau W	77672
Rauch F D	42721
	58890
Rauch H	28510
	45298
	55113
	73015
Rauch W	36997
Rauchbach K	11663
	72214
Rauchenberger K	18754
Rauckis M	53909
Raudsepp L	60900
Raudsepp V	63428
Rauf H A	49560
Rauh W	32893
	41441
Rauhe K	25069
	35385
	44256
	61472
	70692
	77673
	89749
Rauhs R	70979
Raulais D	62173
Raulin J	48807
Rault B	46926
	63732
Rault J	7905
	30409
	58275
Rauluszkiewicz S	73008
	81256
Raum	40864
Raun E S	4354
	20762
	21416
Raun N S	36518
	45222
	90909
Rauner Yu L	44890
Raunkiaer S	89359
Raup P M	52982
	56401
	57657
	58109
Raupp J	14910
	76050
Rauscher J	30296
Rauscher M	21553
Rauser W E	25932
Rausing G	27188
Raustadt R	57638
Raut K C	15618
Rauta C	52472
	52733
Rautavaara H	92741
Rautavaara T	16253
	16254
	41686
	42154
	43415
	50625
	83260
	87202
Rautenberg B	48373
Rautenshtein Ya I	41570
Rauterberg E	18024
Rauterberg M	58066
	94559
Rauth C H	20964
	64181
utvuori E	35900
Rauzi F	2056
Ravaioli L	39284
	54370
	54462
	62881
Ravantti S	9504
Ravasio V	39550
	84097
Ravasz L	74738
Ravasz T	52888
	70214
Ravazzani C	13869
Ravel G de	33113
	41687
Ravel d'Esclapon M G de	30998
Ravell J	80072
Ravelli F	26527
Raven A M	36519
Raven D J	22198
Raven P H	8779
	15791
	32814
	32828
	50733
	58694
	59417
	67492
	67493
Raven T W	75221
Raven W	84324
Ravenholt R T	3549
Ravenna E	53979
	79883
Ravensberg K	354
	1761
	1766
	1770
	5901
Ravestijn W van	25070
Ravikovitch S	26528
Ravkin A S	51301
Rawal T N	62200
Rawald W	68971
Rawat A S	2631
Rawat B S	3009
Rawat J P	40316
Rawes D A	63060
Rawes M	1603
	59313
Rawhy A	24169
	33114
-Rawi A	1895
ɔl Rawi I	48763
awitscher-Kunkel E	42290
Rawitz E	41876
Rawla G S	15870
Rawlings C O	34696
Rawlings G B	46655
Rawlins B W	17502
Rawlins S L	49965
	52370
Rawlins T E	576
	42024
Rawlins W A	29045
Rawls C K	52173
Rawson G W	82772

Rawson J E 43791, 64882
Rawson R D 66766
Rawther T S S 8515
Ray A C 6561
Ray B W 61294
Ray C B 94244
Ray D E 36442
Ray E E 72449
Ray G K 25241, 31637
Ray H E 17126, 17127, 17699
Ray H N 4021
Ray J D 72293
Ray J W 5567
Ray L 38959
Ray L L 25394
Ray M 50885, 57911
Ray M L 80172
Ray O M 6443, 22155, 39449, 57319, 65573
Ray P D 42833
Ray P K 78547
Ray S C 80042, 80498, 83852
Ray S N 3569, 25474, 80042
Ray W J 30143
Raya A K A 81008
Raya M A A 16879
Raya R A 20526
Rayanun M 33306
Rayburn R C 78695
Raychaudhuri S P 577, 10492, 18203, 35247, 35255, 38548, 50506, 61295, 78521
Rayment A F 60568
Raymond C B 40190
Raymond C E 13995
Raymond L C 32056
Raymond M 58695
Raymond R G 72621
Raymond R T 48089
Raymond W D 7093, 14482, 31406
Raymond W F 79706
Raymundo M E 44103
Raynal A 41340, 41497
Raynal A R 17202
Raynal J 41340, 41497
Raynaud 71822
Raynaud A 90690
Raynaud J P 27843
Raynaud P 11218, 63470
Raynaud R 61430
Rayner R W 477, 8516, 86908, 86909
Raynor G S 15660
Rayns F 94929
Rayo C L 75113
Rayss T 32931
Raz D 65723
Razak K 47511
Razbegaeva T P 22722
Razet P 37987
Razi B A 60980
Razin N S 60569
Razinsky E J 14301
Razmadze K S 46488
Razmaev I I 9101, 25052, 42763, 68937
Razowski J 5502, 5503, 21417, 21418, 37784, 38502, 82773
Razso I 1205
Razumov V I 51302
Razumov V P 53340
Razumova L A 17923
Razumovich M B 11322
Razumovskaya Z G 61232
Razuvaeva V I 35377
Razvyazkina G M 68043, 73109
Rea H E 25955, 43792, 61007
Rea J C 46121
Rea J L 4201
Rea W 84272
Rea Moguel A 40722
Read C P 20622
Read D 75163
Read D C 15934, 63949, 82420
Read D W L 2057, 52589
Read F M 31174, 39899
Read F W 93545
Read H 49537
Read H E G 47553
Read R A 2776
Read R B 6386
Read R W 162, 58696, 76879
Read S H 66464
Read S I 20590
Read S I--Cont 74416
Reading (Eng) University Dept of Agricultural Economics 31685
Museum of English Rural Life 7794
National Institute for Research in Dairying 74879
Reagan E P 58888
Reagan W A 75886
Reali G 46489
Ream H W 60570, 77966, 78696
Reardon D 63274
Reardon T F 20408
Reasonover F 30107
Reaulx-Font P 40723
Reaves C W 40603, 91165
Reaves P M 66683
Reaves R S 83208
Rebandel Z 9207, 33344
Rebane H 15792
Rebassoo H 32719
Rebeiz C A 33605, 33710
Rebenfeld L 22252, 48241, 48242
Reber E F 4237, 27956, 28635, 28693, 28694, 36770, 45786
Rebiffe J 94679
Rebischung J 60571, 88653
Rebl A 14652
Rebour H 1690, 18346, 18525, 18526, 25071, 26529, 34128, 60122, 78878, 89606, 89750
Rebour J 46255
Rebour M H 43416
Rebristaya O V 15807
Rebrova G I 10537
Recalcati M 27685, 36629, 45622
Recalde A 26907, 30005, 79255
Recalde L 16880, 16881, 42783, 60123
Recalde L--Cont 68972
Recamier A 34427, 43277
Rechenthin C A 35118
Rechinger K H 8183, 32556, 32839
Rechka J 72960
Recine A 83159
Reciprocal Meat Conference 14334
Reckel R P 63320
Reckendorfer P 43007
Recknagel A B 8517
Record Stockman 84583
Recordati A Z 37888, 81988
Recordati Z 75949
Rector C K 78124
Rector F E 85876
Red Poll Cattle Society of Gt Brit and Ireland 80073
Reda I M 54810, 54811
Redaelli G 11664, 36685, 54367, 54382, 54405, 80438, 83975
Redd J C 78225
Reddi N S 79970
Redding D 36382, 36443
Redding W F 34273
Reddoch J W 11042
Reddon A 28615, 81221
Reddy B S 72069
Reddy C B 91445
Reddy D B 12503, 24170, 50224
Reddy G S 24331, 25577, 59172, 77183
Reddy H C L 31876
Reddy H S 65331
Reddy K G 2102, 9120, 70287
Reddy M S N 25506
Reddy R N 77670
Reddy T V 31175
Reddy V R 25067
Redei G P 87453
Redei Gy P 59726
Redett R B 53153
Redetzky H 66954
Redfearn P L 24050
Redfern C J 22779
Redfern J H 64673
Redfern L 67276
Redhardt A 84094
Redikh V K 45885
Rediske J H 2746
Rediske J H--Cont 61942
Redit W H 6674, 48353, 65738, 65816, 84273, 84274
Redkov V V 52669
Redkozubov M F 34437
Redlich G C 52720
Redlin W J 22946
Redlinger J R 355
Redman C E 20136
Redman J C 57658
Redmann J J 6597
Redzhepov A 62882
Redzhepov K 81693
Redzhepov O 76794
Reece A R 5816, 38761, 56237, 64938, 92937
Reece F N 21554, 38682, 64962
Reece M C 22641, 75210, 83924
Reece P C 60124, 60125
Reece R L 36451
Reece R P 3580, 11534
Reed A D 14690, 69739
Reed C A 54069
Reed C F 194, 8242, 32879, 58697, 86527
Reed C H 21710, 47554, 56294, 74344, 93001
Reed C M 36378, 36825, 37283, 54464, 55146
Reed E J 68804
Reed E W 65918
Reed F A 57521
Reed F S 84211
Reed G W 54288
Reed H C B 3244
Reed H E 24453
Reed I F 13203
Reed J H 28038
Reed J L 50489
Reed J P 10476
Reed L B 34881, 63783
Reed L R 89360
Reed M 89681

	Item
Reed M G	35171
Reed M J	13361
	25475
	88654
Reed R	6152
	84726
Reed R B	32422
Reed R E	20035
	62357
	63456
Reed R M	86201
	88486
	89772
Reed R R	61564
Reed S C	43540
	43541
Reed W	21370
	38226
	73071
Reeder H O	10372
Reeder J R	50784
	87349
Reeder N	3393
	10409
	26375
	80173
Reeder S W	2223
Reeder W W	23510
Reek H	46090
Reeks W A	64097
Reep B R	37383
Rees A L A van	3179
Rees A R	1206
	75584
Rees C E	18676
Rees D	62591
Rees D F	53096
Rees D M	28826
	29499
	55361
	55365
Rees D V H	92841
Rees H	59727
	87457
Rees L H	65416
Rees R	16949
Rees R G	54599
Rees T A	90658
Rees W M	57046
Reese E L	52806
Reese E T	16937
	88217
Reese G	50785
Reese M	58024
Reese R B	83373
Reese W D	24051
Reestman A J	30922
	89205
Reetz	19545
Reetz G	90691
Reeve E	87909
Reeve E C R	19365
	36155
Reeve R	78361
	89480
Reeves B G	30846
Reeves D D	86230
Reeves D W	81565
Reeves J T	84497
	88379
	88413
Reeves L W	84017
Reeves W A	6460
	6481
	6530
	30847
	39551
	56901
	84012
	93487
Reeves W C	55324
	55353
	72420
	81469
	81577
el Refai A E H	51568
el Refai A R	37595
el-Refaii A el H H	28319
Refatti E	33123
Refeile K	33035
Refrigeration Research Foundation	83560
Regan J D	82374
Rege D V	8923
	9248
	16899
Regel C	8051
Regenmortel M H V van	16142
Reger J F	87065
Regez W	46802
Reggiani F	30676
Reggio R B	89206
Regi L	34315
Regier H A	26323
Reginato R J	86128
Regional Cartographic Conference of the United Nations for Asia and the Far East	35119
Regional Rural Health Conference	90097
Intermountain States	49496
Register R O	60124
	60125
Regmi M C	40724
Regnart J	32057
Regnault R H	85720
Regnery W	75023
Regnoult M G	11776
Rego A d'A de S	44257
Rego Z J P de C do	10410
Regos Gy	91617
Regt J T P de	31701
	94189
Regutti C W	71444
Rehacek J	37519
	55259
	73572
Rehak J	18815
Rehbein C A	17778
	35523
Rehder H	59255
Rehe H D	83787
Rehkugler G E	64784
	82979
Rehling A J	23196
Rehm G	66889
Rehm H J	6635
	21896
	22386
	38993
	75092
Rehm S	60126
	70116
Rehm W	80430
Rehm W F	11665
	36686
	37461
	56786
Rehman M A	10943
	19348
	53554
	71604
Rehman M H	46582
Rehn J A G	38549
	38550
	47225
	47226
	64706
	67225
Rehn J W H	81564
Rehnberg R D	31768
Rehne H	94245
Rehner G	76601
Rehovot National and University Institute of Agriculture	81792
Rehrl K	13323
Rehse E	24756
	59728
Reich E	16377
Reich G	39928
	40015
Reich H	47270
	48409
	86659
Reich K	87858
Reich R	16062
Reich V H	43793
Reich W	23197
Reichard T	42048
Reichart G	12615
	29031
	46490
	73352
	77674
Reichbuch L	78560
Reichel A	25476
	74791
Reichel K	12279
	73021
	81302
Reichel L	48939
Reichel M	17358
	51894
Reichel W L	4345
Reichelt	76187
Reichenbach H Graf von	10271
	61168
Reichenheim H	27493
	94235
Reichert C A	69274
Reichert I	356
	33115
	41730
Reichert W	90795
Reichgelt T J	8180
	8181
	41336
Reichl F	21575
Reichl H	13111
Reichl J	54958
Reichling L	41341
Reichstein R	77832
Reichstein T	1378
	69175
	69222
	77386
Reid A	71331
Reid B L	3971
	11889
	20160
	75669
Reid C S	72215
Reid D	8693
Reid D A	33001
	42399
Reid G	11725
Reid G C	78879
Reid G K	59319
Reid H A	71527
Reid J	294
	77019
Reid J A	20673
	46982
	92484
Reid J D	6525
	6562
	6563
	13942
	13996
	39460
	65604
	83989
	83990
	84062
	84098
Reid J E	10966
Reid J S	10940
Reid J T	11188
	27654
	28446
	62340
	72052
	90545
Reid P H	1642
Reid R D	69785
Reid R G	14540
	40110
Reid R L	11217
	63514
	63515
	63516
Reid R W	20906
	82322
	82323
Reid T N	7537
Reid V H	2787
Reid W J	4607
	12504
Reid W J--Cont	81641
Reid W M	11993
	20254
	20255
	28320
	37074
	72662
Reid W R	25477
Reid W W	1375
	4612
	7301
	13555
	43622
Reierson R J	23257
Reifenstuel	71885
Reifer I	16979
	34258
	43046
	69179
Reiff B	25072
	25073
Reifman V G	59577
Reifsnyder W E	53458
Reig Feliu A	14182
Reigle Z	21868
Reijnders A F M	24636
	42784
Reijnders W J	67547
Reilly C A	4436
Reilly F W	23845
Reilly J R	27844
Reiman W D	72469
Reimann B	70933
Reimann G	13508
	31299
	76356
Reimann H	66354
	66355
	76188
Reimer C W	32932
Reimer H	62883
	62884
Reimers F E	87910
Reimund D A	6739
Rein G M	42674
Rein J	89361
Rein L M	84733
Reina C	43917
Reinbergs E	50893
	51683
Reinboth W	47422
Reinbothe H	77675
	88218
Reinders J S	27655
	54341
Reinecke E	35524
Reinecke G D	30410
Reinecke R K	19490
	90692
	90693
Reinefeld E	7285
	31579
	31580
	57564
Reineke E P	12125
	20002
	36865
	37173

Reineke E P--Cont 91202
Reineke L H 27092
Reiner C 73250
Reiner L M 58330
Reinert G W 58698
Reinert H 56249
64963
Reinert J 60127
68353
68389
Reinert K 44537
Reines M 2991
35824
Reinhard E 50786
Reinhard H J 38227
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Reinhardt R 32338
Reinhardt R M 6525
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Reinhercs A 32397
Reinhold A 61801
Reinhold J 14029
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Reinhold L 87649
Reinikka M A 60819
Reinius L 54406
Reinken G 14036
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Reinking O A 552
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Reinsch H H 21581
47512
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Reinscy H 13324
Reinstein J 66729
94470
Reintam E 36687
36688
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Reintam L 24534
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Reinthaler F 49561
Reis P M P dos 24063
24637
Reisaeter O 34585
41304
Reisch F 38823
47555
Reisch J 12658
Reisch K W 9753
17665
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Reischl L 38824
Reisegg F 94426
Reisenauer H M 35166
Reisener H 1376
Reisener H J 16063
Reiser R 28216
37081
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Reiser R R 93921
Reisinger L 54070
Reisinger R C 62781
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Reisler A W 6053
Reisner A H 80695
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29719
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Reiss-Gutfreund R J 55325
Reisser H 21419
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Reisshauer G 11323
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Reitemeier R F 51303
Reiter B 48090
Reiter F 56569
Reiter H 61039
Reiter V 60820
Reith J E 65582
Reith J F 38901
Reith J W S 18610
44258
Reithmayer F 45731
Reitmeier L 73444
Reitsma J 61431
Reitsma M 39972
Reitter E 64369
Reitz H J 2331
61432
Reitz J H 34975
Reitz L P 43082
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Reitz P R 58598
58699
Rejas F 54953
Rejlek F 89207
Rejman A 34649
34653
Rejman M 70299
Rejowski A 68973
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Rekhi S S 68430
Relecom R 21969
Relf E T 57569
Relwani L L 18282
18347
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Reman Z 90319
Remaudiere G 47033
Rembold H 12703
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Rementsova M M 62450
Remeslo V N 88414
Remezov N P 18204
70167
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Remezov P I 11324
Remington C E 85572
Remington C L 5484
Remington P S 55974
Remm H 29463
Remm H J 21228
Remmert H 38228
Remmert L F 12153
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Remneva Z I 86785
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Rempel J G 55816
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Rempel W E 4169
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Rempt D 36689
Remus J 30006
Remy P 25624
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Remy P A 4947
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Remyannikova T N 92036
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Renard G K 25625
Renard H A 34129
Renard W 38839
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Renaud R 13662
Renaud U 61566
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Renault L 37045
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Renault M 36171
84328
Renborg U 76177
94427
Rendel J 11578
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Rendel J M 82422
Rendell J 15025
Rendig V V 9289
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Rendko G 4419
Rendle B J 53727
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Renea S 42488
Renegar G T 21861
Renes I 90546
Reneuve P 53048
Reng G 29263
Renius W 51789
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Renk W 11325
27845
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Renker K 66955
Renne D A 52831
Renne R L 84251
Rennels R G 37818
Renner E 45224
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Renner R 3886
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Renner V E 53774
Rennerfelt E 50392
Rennes Centre de Recherches d'Economie et de Sociologie Rurales de l'Ouest Agricole 66576
Rennhofer A 14791
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Rennie D A 51106
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Rennie J C 3291
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Rennie P J 53288
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Rennison B D 4555
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Renno E L 48149
Reno J 2831
62187
Renoirte R 20669
Renoll E S 5824
47382
Renoux G 72874
81110
Renoux M 20428
Rensburg J A van 40751
Rensburg S J van 19873
19893
Renshaw E F 10493
Renshaw J F 35739
Renski A 39848
Renterghem G T van 61433
Renth K 74232
Renton D G 17503
Renton P A 69867
Rentoul J N 21727
Rentschler H 6725
13663
39201
74618
Rentschler W 43789
Rentz D C 82847
82848
Renucci J 15152
Renwick C 66356
Renwick G 69030
Renz H 31300
Renzoni A 54634
Repic R 74995
Repin A N 22817
57483
Repka J 78380
Repka V P 45091
Repke W 51894
Repnevskii V V 26908
Repp G 16882
18105
Repp G I 50599
Reppert J N 88654
Repstad K 48980
Republic of South Africa 57877
Republic of South Africa Bur of Census and Statistics 21925 21926
Republic of South Africa Chicory Control Board 39630
Republic of South Africa Controller and Auditor-General 39864 48243 57431 57508 57598 75080 75222 84165 84166 84167
Republic of South Africa Dairy Industry Control Board 83730
Republic of South Africa Deciduous Fruit Board 75080

Item

Republic of South Africa Dept of Agricultural Technical Serv 1560 49186 75805
Republic of South Africa Dept of Customs and Excise 23622 58276 86009
Republic of South Africa Directory of Veterinary Serv 62451 79884
Republic of South Africa Dried Bean Control Board 65739
Republic of South Africa Dried Fruit Board 84275
Republic of South Africa Egg Control Board 57431
Republic of South Africa Grape and Wine Manufacture Research Institute 74619
Republic of South Africa Livestock and Meat Industries Control Board 22570
Republic of South Africa Lucerne Seed Control Board 57508
Republic of South Africa Mealie Industry Control Board 65919
Republic of South Africa Oilseeds Control Board 75585
Republic of South Africa Potato Board 84168
Republic of South Africa Shipping Board 21830
Republic of South Africa Tobacco Industry Control Board 14637 22920 57598
Republic of South Africa Wheat Industry Control Board 84504
Rerat A 28186 63609
Rerberg M S 55354
Resch A 8780
Reschke K 26583
Resconich E C 579 50523
Rescorl W H 13664
Resende F 24638 24978
Resende M L R 22052
Reserve Bank of India 7538 7829 49035
Standing Advisory Committee on Agricultural Credit 40317

Item

Reshetina A N 37735
Reshetnikov A 92892
Reshetnikov I M 11662
Resnik M E 25074 60058
Resources for the Future 23297
Respaldiza Cardenosa E 55114
Respaldiza Ugarte E 53980
Resplandy A 9303
Respondek V 24747
Ressang A A 37068
Ressl F 82186
Restani R 3685 3695 11326 11777 11778 12280 19546 19894 28695 53981 55043 71823 80543
Restuccia G 15513
Retan A H 38744
Retezeanu M 16298 59396 69095 70149
Retief D F 1531
Retson G C 23298 58037 75223
Rettagliati J 81176
Rettelbach B 86910
Rettenmeyer C W 46955
Rettig R G 22077
Rettinger D O 43283
Retzer H J 83071
Retzer J L 52670
Retzlaff C 36444
Retzsch C E 48709
Reuben D E 5504 73847 77073
Reuben R 73848
Reukema D L 2688 35777 71131
Reuleaux I R 28055 45787 72322
Reumschussel G 74158
Reunion de Comunicaciones de Lucha contra la Maleza Tandil 9905
Reunion Latinoamericana de Fitotecnia 86365
Reusch W H 51489
Reuss U 19548 62452 72676 81303 91538 19547 19549 20406

Item

Reuszer H W 34130
Reuter F H 6054 13556 93160
Reuter G 77815
Reuter H 14420 14421 57308 84704
Reuther G 18205 33798
Reuther W 43389 50670 89752
Reutlinger S 89875
Reutse K 35345
Reva L P 7265
Reva M L 61842
Revardeaux P 39202 83689
Revay J 34438
Reveillet P 64370
Revell I L 73445
Revenko I P 4269
Reverend J A 90694
Revertera N 44560
Reves H F 84304
Revfalvi B 70802 78880
Revie G N 30297
Revin A A 69798
Revnivykh A G 19550
Revue de l'Elevage 90796
Revuka V S 56132
Revzina A G 55817
Revzina E D 62202
Rex M B 80512
Rey G J V 86911
Rey J 9395
Rey L R 36321
Reyes A A 18106
Reyes E 75806
Reyes E D 52431 52432 70288
Reyes E N 54702
Reyes H 4556 28860 81854
Reyes M R 53238 53245 71059
Reyes P 48467
Reylund R 74880
Reymanowna M 15664
Reymond A 76336
Reynard G B 16475
Reynaud R 65136
Reyne A 4702 8052 55902
Reynolds B A 91814
Reynolds D G 69590
Reynolds E M 73641
Reynolds F 54615
Reynolds G 59089
Reynolds H G 44125 60572 87203

Item

Reynolds H T 4421 12463 33029 33030 33116 46370 46505 73110
Reynolds H W 16180
Reynolds I M 28521 46040
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Reynolds J D 34953 35032
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Reynolds R J 2057
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Rezanowich A 27184
Rezende R T de 54408 71955
Reznichenko A G 51304 69786 69787
Reznichenko O G 10967
Reznik H 25197 41441
Reznik V N 81694
Reznikov A 74045 92837 92850
Reznikov V G 66900
Rezsohazy R 23572
Rhee J A van 15935
Rheenen D L van 36690
Rheinheimer G 10771
Rheinheimer O 64182
Rhian M A 62410
Rhind D 57181
Rhines F N 34811
Rho J H 77767
Rhoad A O 62608
Rhoades H E 11245 2224 44220 89876

Item

Rhoades H L 59220 77286
Rhoades K R 28080
Rhoades M M 33596 42416
Rhode L W 17607
Rhode W 89208
Rhodes A 16064
Rhodes A M 33724
Rhodes D N 30298 56489 66056 75483 75656 83540
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Rhodes F M 22254 22255
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Rhodes R W 37200 46122
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Rhodesia and Nyasaland (Federation) Central Statistical Off 6089
Rhodesia and Nyasaland (Federation) Cold Storage Commission 65237
Rhodesia and Nyasaland (Federation) Federal Ministry of Agriculture 8001 85574 85575
Rhodesia and Nyasaland (Federation) Grain Marketing Board 65920
Rhykerd C L 87919
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Rial Alberti F 24011
Riasova T 11129
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Ribble W L 34812
Ribbons D W 70379
Ribeiro A 28321
Ribeiro A P 20675
Ribeiro J A 13810 39246 39247 41075 65375 76641
Ribereau-Gayon J 74620 83690
Ribereau-Gayon P 39203

	Item
Ribianszky M	49767
Ricada D	59043
Ricard F	36970
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Ricci C	76189
Ricci D	70628
Ricci I	31877
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Ricciardi A	8820
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Ricciardi A A	43203
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Ricciardi E	23878
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Rice C E	53836
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Rice E R	43338
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Rice I L	41129
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Rice R E	82187
Rice R W	7220
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Rice Millers' Association	22517
	31176
Rice Technical Working Group	84505
Riceman D S	9123
Rich A E	8621
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Rich C I	2103
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Richardson E C	2492
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Richardson W S	44186
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Richens R H	18656
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Richert D A	54734
Richert M R	23512
Richey D J	37082
Richey H H	31466
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Rickard D S	70215
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Rickards R W	51552
Rickenbach R G	10429
Rickenbacker J E	93844
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Ricker P L	86366
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Rickes G	18698
Rickett H W	77
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Ricketts G	3363
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Rico Ballester M	81615
Rico Sanz J	22518
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Ridanovic J	52671
Riddell J A	51306
Riddell W K	71824
Ridder J	40684
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Riddolls A W	86662
Ride M	41945
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Rider N E	24332
Rider V A	8412
Ridewaldt-Schott K V	57040
Ridge J D	77165
Ridgeon R F	37428
Ridges A P	63517
Ridgway R L	55447
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Ridlen S F	7155
	22768
	72557
Ridler B	3626
Ridley A O	52832
Ridyard H N	31177
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Riebel F H	31878
Rieben E	71380
Rieche A	54713
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Rieck C E	26776
Rieck G W	12281
	28039
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Rieck W	71861

	Item
Riecke H J	48557
Riecken F F	35131
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Rieckert C	6565
Ried A	42787
Ried R L	12149
Riedel A	39919
Riedel C E	44104
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Riedewalt-Schott K v	65768
Riedhart J M	50394
Riedi F	19551
Riedl H	67637
Riedl O	83482
Riedl W A	1499
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Riedler R	78881
Rieger G	83440
Rieger R	18791
Rieger S	70459
Rieger T	87455
Riegert P W	5576
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Riehm H	43969
Riehm J P	84212
Riehs E	87915
Riek R F	81565
Riel R R	83789
Rieman G H	34927
Rieman W	65707
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Riemann H	6897
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Riemel E M	29203
Riemenschneider	66809
Riemenschneider M N	91125
Riemenschneider R W	45890
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Riemer F	37399
Riemschneider R	37491
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Rienks B	30030
Riepma P	52131
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Ries L W	57771
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Ries S K	21627
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Ries V H	34814
Riesgo Ordonez A	47188
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Rieske J S	51307
Riess C	31318
Rieter B	83780
Rieth A	15842
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Riethmann O	9754
Riethof M L	57213
Rietsema I	78698
Rietz R C	19185
Rieuf P	60453
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Riewe M E	3396
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Riewendt M	71446
Riga A J	68977
Riga Zinatnu Akademija SEE Akademiya Nauk Latviiskoi SSR	
Rigal	30525
Rigby F L	39204
	40232
Rigby J F	86367
Rigby P T	82454
Rigdon R H	3949
	72677
Riggins A P	62887
Riggleman J D	17780
Riggs C A	73111
Riggs I S	22769
Riggs J K	19759
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Righi R	8384
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Righi V	45659
Righter H F	36581
Rightor A P	48383
Rigler F	83691
Rigopoulos N	9259
	77707
Rigot N	52132
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Riha J	70803
Riha P	37438
	38140
	46887
	46888
Riis B	28040
	28041
Rijke L de	14911
Rijkenbarg G J H	30055
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Rijneveld R	49382
Rijneveld T	94360
Rijpstra A C	3807
Rijskens A	14439
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Rijssenbeek C J M	54851
Rijtema P E	60131
Rijven A H G	16950
Rijven A H G C	1377
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Riklefs E E	69868
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Riley P W	28463
Riley R	42419
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Riley W F	20088
Rilling G	38333
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Rilling K E	38722
Rimboschi V	30848
Rimeslatten H	11805
Rimkus P	9583
Rimmer O P	31503
Rimpau R H	67638
Rimpler H	43023
Rincker C M	69591
Rincon T D J	49625
Rindge F H	5507
	21420
	29720
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Rindt C A	44633
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Rinear E H	7156
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Rinecker F G	65582
Ring R A	21185
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Ringer R K	3950
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Rio R P do	85877
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	Item
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	Item
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Rodenburg C M--Cont	43616
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	Item
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	Item
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	Item
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	Item
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Vereeniging voor den Katoenhandel	
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Royal Agricultural Society of Kenya	76681
Royal Agricultural Society of New Zealand	76457
Royal Agricultural Winter Fair	76423
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Royal Dublin Society--Cont	
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Royal Jersey Agricultural and Horticultural Society	15305
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Roychowdhury S P	75342
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Royer E J	39687
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Royse W J A	74378
Roytenberg M M	84842
Rozanoff A N	18528
Rozanov A	93422
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Rozanova L I	59937
Rozanova O N	52533
Rozanskii M O	91322
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Rozeboom L E	4426
Rozen B L	47256
Rozen J G	29395
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Rozental' L A	95054
Rozes G	74621
Rozhanskii L G	31577
Rozhanskii M E	3780
Rozhanskii M O	20089

	Item
Rozhdestvenskaya M P	70281
Rozhdestvenskii M N	35039
Rozhikov A G	26597
Rozhin N	2822
Rozhin N I	79458
Rozhkov G	13280
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Rozhnova T A	89521
Rozhkova T K	14445
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Rozov S A	37882
Rozsa B	48494
Rozsa J	63319
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Rozycka T	70263
Ruakura Farmers' Conference Week	94327
Ruane J B	38826
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Ruano Herrero J	3183
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Rubacky E P	3736
Ruban J D	27847
Ruban V I	34470
Ruban Y	58427
Ruban Yu D	45662
Rubanov V S	44269
Rubarth S	36827
Rubber Producers' Council of the Federation of Malaya	84938
Rubber Research Institute of Ceylon	40132
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Rubber Research Institute of Malaya	1996
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Rubel D M	49628
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Rubinate F J	6018
Rubino L	27848
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Rubinshtein Yu I	27310
Rubinskii E N	72418
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Rubio-Huertos M	86985
Rubisch H	84105
Rublevskii V B	88773
Rubner	47328
Rubner H	79071
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Rubstov P	47329
Rubtov S	2698
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Rubtsov I A	73114
Rubtsov L I	60823
Rubtsov N I	59235
Rubtsov V G	18903
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Rubtsova L P	35252
Rubtsova N N	12636
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Ruck-Florjancic M	62159
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Ruckebusch Y	36324
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Ruckes H	5258
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Rudakov V E	15667
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Rudd R W	30204
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Rude T A	20029
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Rudenko M I	25357
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Rudenko Yu M	44695
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Rudin V D	70635
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Rudneva E N	18226
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Rudolph E D	34137
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Rudzic N	69060
Rudzroga A	15844
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Ruef R R	58241
Ruegg W	67080
Ruehle G D	59132
Ruehle J L	24474
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Ruinen J	16258
Ruiru Coffee Research Station	17856
Ruissen J	9653
Ruiz M A	25083
Ruiz R A	78490
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Ruiz Alarco F E	9605
Ruiz Beltran E	17969
Ruiz Cruz J	48781
Ruiz de Assin A	21971
Ruiz Diaz A	49499
Ruiz-Fornells R	89201
Ruiz Martinez C	72421
Ruiz Santaella J	23891
Rujic Z	79426
Rukavina J	91097
Rukavishnikov B I	37785
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Rukosuev G	57867
Rumania Directia Centrala de Statistica	6090
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Rumania Institutul de Cercetari Agronomice SEE Bucharest Institutul de Cercetari Agronomice	
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Rumania Institutul de Cercetari Zootehnice	90775
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Rümens W	39495
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Rummler H J	37267
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Rump S	28696
Rumpler Y	12017
Rumplowa R	42646
Rumpp N L	29396
Rumyantsev G T	44738

	Item
Rumyantsev N I	9914
Rumyantsev N V	62265
Rumyantsev V I	53473
Rumyantseva A V	7373
Rumyantseva E Yu	80861
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Rumyantseva T A	15668
Runcie K V	3398
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Rundle W T A	21657
Rundo J	56711
Runeberg J	2995
Runeckles V C	75786
Runemark H	86501
Runge H	65169
Runger W	83262
Rungs C E E	81696
Runham R	58968
Runkel S T	53052
Runki P	38628
Runnels T D	20168
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Runov B	15396
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Runov E V	61234
Runova N V	94813
Runtsis A Ya	56295
Runyon D	67250
Ruosch W	27723
Rupais A	38336
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Ruperez Cuellar A	38505
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Rural and Industries Bank of Western Australia	14715
Rural Bank of New South Wales	23031
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Rusanov F N	24535
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Rusanov S G	90214
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Rusch H P	16318
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Rusev V	4144
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Rusinova R D	60982
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Russon W S	84106
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Rust I W	7820
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Rust I W--Cont	40939
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Ruszkowski J	20733
Rusznak I	39557
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Rutgers University Dept of Agricultural Economics	94151
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Rutherford H A	30855
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Ruttner H	64188
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Rutz W D	74856
Ruuhijarvi R	18213
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Ruys A H	57384
Ruzaev K S	50197
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Ruzicic N	74233
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Ruzicka J	68839
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Ruzskii S A	27575
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Ryabchenko V A	67576
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Ryabova P I	8245
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Ryabtsev V N	74126
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Ryan F E	19762
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	Item
Ryan R B	21343
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Ryauzov N N	41005
Ryazanova L V	61847
Ryazanskaya K V	94911
Rybakov A A	87926
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Rybal'chenko I	92770
Rybalkina A V	18108
Rybaltovskii O V	12426
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Rybitskii N A	9584
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Rybnicek K	686
Rybnickova E	686
Rychagov V V	10413
Rychlicki Z	72384
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Rychnovska M	68995
Ryckman R E	81535
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Ryczkowski M	60143
Rydalevskaya M D	26176
Ryden S	67227
Ryder E J	52155
Ryder M L	27494
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Rydzak J	68178
Rydzak J	68996
Ryeland Flock Book Society	4062
Ryerson G E	5731
Ryff J F	4145
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Rynks I N	70290
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Saad S I	24644
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Saakyan-Baranova A A	92493
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Saavedra I J	21970
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Saba F	28807
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Sabados D	93322
Sabanayagam J V	67945
Sabardina G	24536
Sabate Aranda J	20298
Sabatino F J	21849
Sabban M S	45839
	46153
Sabella L J	16
Sabet K A	50456
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Sabetay S	84843
Sabeti H	68121
	71605
Sabharwal H S	78155
Sabhasri S	16259
Sabin D R	56333
Sabin S W	37270
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Sabina L R	80421
Sabine R	19464
Sabinina I G	42795
Sabirov M K	25667
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Sabirov M S	35528
Sabirov Z	21422
Sabirov Z S	57367
Sablikov M V	21555
Sabnis S D	9866
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Sabo E D	18905
	18906
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Sabo I	67639
Sabo M	90236
Saboe L C	7222
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Sabor R J	37306
Saborido J	31182
Saboureau P	70981
Sabrosky C W	4316
	5147
	5148
	46957
	82358
Sabry Z I	22519
Saburov N	14183
Sacay O de J	75887
Sacca G	28824
Saccardi A	56576
Sacchi C F	73530
	73531
Sacchi E M	19555
Sacchi R	22549
	37890
	46690
Sacco J da C	87209
	89366
Sacco T	79747
Sacco V	6242
	6243
	6244
	13760
	13761
Sach E	54441
Sachdeva U	68455
Sachelarescu V	2823
Sacher G A	62454
Sacher J A	9131
	16696
Sachet M H	41296
	76915
	86409
Sachs E	48894
	88417
Sachs I B	71585
Sachs N	65582
Sachs R	14792
	76424
Sachse H	56615
Sachsel G F	83553
Sachslehner L	65435
Sachsse H	11130
	71616
Sachtleben H	46305
	82639
Sacirbegovic A	11711
	36547
Sack F W	30007
	56250
Sack H	56134
Sackett R G	1607
	88418
	88419
Sackett W J	10495
Sackiewicz E	67016
Sackoff M M	77817
Sackrin S M	40211
Sacks G	6918
Sacks J	28210
Sackur M	15397
	56732
Sackville H	5922
Sackville-West V	1810
Sacquet E	45863
Sacramento County-Yolo County Mosquito Abatement District	63861
Saczuk B	89998
Sadanaga K	16382
Sadaphal M N	52840
Sadasivan T S	24337
	35211
	50396
Saddik K	69062
Saddik M F I	45330
Sadek Y	94166
Sadekov M M	93135
Sadhu D P	11939
	12051
	63272
Sadik S	59591
Sadikin R	78524
Sadini V	6245
	47940
	74740
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Sadler A M	39363
	83893
Sadler C R	20256
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Sadler E A	82779
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Sadler H	19275
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Sadler W W	20257
Sado H	13952
Sado M	67328
Sado T	4860
Sadoh T	79606
Sadoux F L	47866
Sadoux F S	78246
Sadovnikova V	87068
Sadovski A	44317
Sadovskii N V	11331
Sadowski S	86913
Sadun E H	3806
	5185
Sadurska I	44981
Sadykhov D R	37402
Sadykhov R	20527
Sadykov I	68998
	69411
	69594
	88420
Sadykov I M	25091
	44262
Sadykov R	54098
Sadykov S S	50395
Sadykov V	92851
Saechtling H	44957
el Saeed A K	89125
Saeed M	84213
Saeki H	11131
	61155
Saeki T	33550
Saeki Y	20137
	72480
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Saeman J F	27146
Saenger	11443
	11818
Saenko G N	16892
Saenko N F	6153
Saenz A F	58380
Saether R	16563
	62017
Safar J	79340
Safaralieva R	68537
Safarov B	4146
Safarov I	62321
	80177
Safarov I S	8158
Safarov T	69595
Safarov T K	88660

	Item
Safarov Yu	66049
Safarova S A	59592
Safaryan A M	30413
Saffle R L	14353
	31455
Safford J W	28520
	79934
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Safin M K	68999
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Safina G	6642
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Safina L K	42985
Safley L M	10260
	18336
Safonov V I	65239
Safra R A	25936
	60983
Safrazbekyan O A	13255
Safrazbekyan V M	80949
Safronov M G	19556
Safta C	10778
Safvestad V	76425
	94431
Saga Norin Tokei Kyokai	56518
Sagaidak E	93734
Sagaidak I N	59593
Sagaipov S	89756
Sagakova V P	93050
Sagar G R	9909
	25957
	34140
	35040
	43798
Sagarik R	9757
Sagaster R	69310
Sagatov S S	87928
Sagawa Y	791
	68359
Sagdullaeva M	61235
Sage D	11819
Sagen J E	8550
Sager R	16479
Sager W H	55585
Saghin F	91816
Saghir A R	35041
Sagi F	9132
	51052
	88141
Sagi K	61622
Sagi L	19904
Saginadze G V	43643
Sagitov S I	67357
Sagitullin R S	46312
Saglie J	23802
Saglio H	14542
	66177
Sagmeister F	11853
Sagoe-Nkansah S	88771
Sagreiya K P	2788
	71024
Sagromsky H	16697
	34141
Saha A K	38548
Saha P K	13931
	74954
Saha S B	814
Sahadevan P C	43128
	68905
Sahai B	1487
Sahai B I	8521
	9133
Sahai R	7283
	22885
	22886
	33717
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Sahashi Y	11975
	14063
	28389
Sahasranaman K N	69726
Sahay B K	18758
Sahin C	54636
Sahitiyanci S	41573
Sahli F	46803
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Sahli K W	30527
	30528
Sahlstrom H	57090
Sahlstrom S D	49500
Sahm U	10509
	24944
Sahni K C	15790
Saho H	41574
Sahs W W	1608
Sahu B N	18324
Sahulka J	42796
Sai T	44271
Said M	9507
Saidak W J	1221
	17785
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Saide L de L	90129
Saidel T	2106
Saidlova A	59594
Saidov A S	89893
Saifi E Kh	13256
Saigne B	24695
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Saiki H	53731
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Saiki Y	16324
Sailer J	48717
Sailer R I	21023
	37989
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Sainani R H	26388
Sainclivier M	93423
Saini G	6828
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Saini S S	18365
	77899
Saini T R	78333
Sainsbury D	30056
Sainsbury D W B	47556
Sainsbury G F	14184
St Angelo A J	40069
Saint Antoine J D de R de	83977
St Bernhards-klub	62999
St Clair J S	6489
	65603
St Clergy C J	23064
	57963
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	85579
	85580
St George C	36702
	63043
St George R A	29154
St George-Grambauer T D	27423
	81112
Saint-Georges J	11332
	27424
Saint-Germes G	64189
	81995
St-Hilaire M	83837
Saint-Jacob P de	57639
St John H	168
	24645
	32847
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St John L E	30138
St John R	54006
St John W K	65431
St Mard H H	30856
Saint-Martin G	20030
Saint-Martin L	53265
	61817
St Maurice Forest Protective Association	2770
Saint Rat L de	83484
	86084
Saint Vincent	86012
Saint Vincent Dept of Agriculture	32507
	86131
Ste-Marie C E	32059
Saintout R	44772
Sainz Ortiz I	61571
Sainz Sainz-Pardo J	53992
Saison R	63115
	63667
Saitama Kenritsu Nogyo Shikenjo	86275
Saitburkhanov Sh R	9864
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Saitner M	39335
Saito A	55578
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Saito H	75040
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Saito Z	74741
Saiz del Rio J F	77527
Saiz Moreno L	46154
Saja F	57868
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Saja I	59595
Sajak E	56537
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Sakabe F	50373
Sakagami S F	5320
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Sakaguchi B	38232
Sakaguchi K	2775
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Sakaguti K	82904
Sakai A	25093
Sakai H	10090
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Sakai K	87459
Sakai K I	919
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Sakai R	77684
Sakai S	4427
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Sakai T	57385
Sakai Y	79573
Sakaki K	91348
Sakala J	36446
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Sakamoto H	12355
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Sakamoto M	41853
Sakamoto S	76970
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Sakamoto Y	55753
Sakamura S	22337
Sakanyan S Sh	80949
Sakarik R	25769
Sakata K	11131
	79607
Sakata Y	75039
Sakazaki R	79893
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Sakharov D	66690
Sakharov I V	73983
Sakharov M K	37891
Sakharova N N	66958
Sakhatov A	90179
Sakhatov K	70291
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Sakhautdinov B M	69001
Sakhno V F	27223
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Sakimura K	29033
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Sakka A	75343
al-Sakkar A	1532
Sako J	9890
Sako K	74182
Sako N	33364
Sakovtsev V S	14103
Sakr S M	17619
	25142
Saks A I	69002
	88966
Saksena H K	484
Saksena R D	21344
Saksena R K	87356
Sakun I F	85581
Sakunov I Ya	83118
Sakurai M	85246
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Sakurai S	26534
Sakurai Y	295
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Sala L C G	48675
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Sala-Escolies E	5979
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Saladze I D	64449
Salageanu N	25094
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Salah M M	15845
Salajan Gh	10284
Salam A	61175
Salama S A	45693
Salamatov M N	25628
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Salami A G	20299
Salamin P	26535
Salamon A	92993
Salamon S	46108
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Salamov A B	17079
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Salamov G A	2107
Salari G	14335
Salas A	77172
	81797
Salas A H	40755
Salas L A	33449
Salas Diaz A	49827
Salas Gomez E	67889
Salazar A G	16698
Salazar J	16069
Salazar B A	77891
Salazar M T	7284
Salazar Manrique T	57561
Salazar T J	81798
Salazar Thedaldi J	92107
Salazar Vaquero M	73311
Salazar Vigil de Quinones J	88421
Salbany A	35581
Salberg A K	13147

	Item
Salcedo J	58332
Salcheva G	16699
Saleh M A	39770
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	57617
Salem H	40867
Salerno A	45447
	54399
	54495
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Salerno G	63065
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Saletan L T	30435
	32481
Saletore S A	66141
Salfeld J C	17964
	78383
Salgado M L M	10045
	17786
	25937
Salgado O D	22041
Salgado Perez F	18584
Salgannik M G	45961
Salgues R	43011
Sali G	27576
Saliba A M	37165
Salibe A A	24432
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	59174
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	60674
Salih M S	57262
Salimei F S	1811
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Salimei S	34820
Salinard G J	49737
Salinger J P	1812
	43800
Salis J U von	36891
Salisbury Sir E	87930
Salisbury E J	9135
Salisbury F B	49968
	51323
Salisbury G W	3295
Salisbury P J	509
Salishchev K A	70464
Salkeld E H	5259
	63787
Salkeld J N	56788
Salkin R	16953
Sal'kova E G	16823
	42724
Sallans B J	1222
	16068
Sallenave P	19230
Saller W	39207
Sallskapet for Agronomisk Hydroteknik Batnadskommitten	7723
Salm-Horstmar	24820
Salmgren O	26831
Salmin I P	53993
Salminen A	81572
Salmoilova O P	16700
Salmon M A	5260
Salmon de la Jara P	23406
	32096
	32097
	58067
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	85726
	94562
Salmon-Legagneur E	20473
	28617
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	72963
	81176
Salmons R M	74506
Salna L	87970
Salna L Ya	16621
Salokangas J	62161
Salokangas K	9847
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Salom F	73702
Salom R	3021
Salome M M	39285
Salomon M	35120
Salomon M D	62331
Salonen K	29148
Salonen M	10276
Salonen V	92941
Salov P S	73233
Salsbury R L	11333
Salser J S	24985
Salt F J	36634
Salt G	38399
Salt J	7685
Salt R W	55642
Salter K E W	47111
Salter P J	10414
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Saltiel	32060
Saltman P	1012
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Saltykov G	9910
Saltykov M I	35904
Salunkhe D K	14115
	48461
Salunskaya N I	24336
Salunskaya N I	86915
Salutini E	28514
	72830
Salutsky M L	61642
Salvador SEE El Salvador	
Salvador A R N	27934
Salvalaglio P	81313
Salvi F	79341
Salvioli R A	69766
Salvo A M	45949
Salvosa F M	49969
Salwin H	48640
	74431
	93051
Saly A	63788
Saly A--Cont	81699
Salyaev R K	16954
Salzer E H	1667
Salzer R H	65788
Salzman S	89631
Samang L	25593
Samarawickrema W A	55840
Samarina I A	53794
Samarkin D N	76195
Samarov V	13191
Samata Y	24752
	59737
Sambamurthy K	16948
	34319
	60350
Sambandam C N	476
	16059
Sambasivarao K	83794
Sambergs A	7405
Samborski D J	485
	16010
	77115
Samborski Z	73008
Sambuc E	66132
	75564
	75588
	75589
Samburgskaya A N	93561
Samec M	5947
Samedov I	73217
Samedov S	72056
	80098
Samek J	11021
Samek V	687
	44562
	76884
	77344
Samenfink J A	7948
Samhammer E	65399
el-Samie A G A	26536
Samiev Kh	60148
Samish R M	89878
	93933
Samish Z	93933
Samiullah	48811
Sammet L L	14129
	48361
Sammi J C	71060
Samograi N Ya	51722
Samoila A	93162
Samoila Z	88650
Samoilov A F	71689
	80178
Samoilov I N	70843
Samoilov M A	83079
Samoilov P P	62761
	91721
Samoilova A P	68179
Samoilova E M	61844
Samoilova L G	35771
Samoilova S	80140
Samoilova S A	2956
Samoishvalov G K	1223
Samokhodskaya I I	7449
Samokhvalova G V	12722
Samol S	12283
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Samoletov A I	45961
Samorodova-Bianki G B	69004
Samorukova A N	85759
Samorzewski J	62246
Samoto K	42797
Samoto S	77685
Samotus B	48469
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	87931
Sampaio A S	28957
Sampaio J A	88257
Sampaolo A	75590
	84844
Sampath S	15798
Sampath V	14654
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Sampson A W	44127
Sampford M R	1557
Sampson D R	50900
Sampson F	52990
Sampson R	66976
Sampugna J	22019
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Samra A S	50456
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Samsel' N V	68180
Samset I	90323
Samsinak K	29318
Samsinak R	92338
Samson A	14734
Samson J A	34622
Samson K S	37209
Samson N T	2928
Samson P	54981
Samson V	32608
Samsonov A P	27310
Samsonov M P	57485
Samsonov P F	27310
Samtsevich S A	44041
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Samuel B L	4428
Samueloff S	33577
Samuels G.	16553
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Samuels J K	5980
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	65137
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Samuels R M	50457
Samuelson E	19126
Samuelson G A	5513
Samuelson O	36060
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	39459
Samuelsson E G	6246
Samuilenko F A	35932
Samundzheva E M	92123
Samusenko V F	90133
Samusev F F	34821
Samvelyan A M	65332
	88221
Samvirkende Danske Husmandsforeninger Udvalget for Stambogsforing for Heste af Fjordracen	36878
Samvirkende Danske Landboforeninger	14676
Udvalget for Stambogsforing for Heste af Jydsk Race	28088
Samvirkende Danske Landbo- og Husmandsforeninger	71960
Udvalget for Stambogsforing	71961
Samvirkende Jydske Husmandsforeninger	54071
Drifts- og Økonomiudvalget	83228
Havebrugsudvalget	94521
Husdyrbrugsudvalget	88818
Planteavlsudvalget	90798
Samarbejdsudvalget	60387
	88294
	7629
	49267
	85763
Ungdomsudvalget	49538
Samvirkende Kvaegavlsforeninger med Kunstig Saedoverforing	90865
Samvirkende Landboforeninger i Fyns Stift Planteavlsudvalget	69306
Regnskabsudvalget	66763
Samvirkende Lolland-Falsterske Landboforeninger Planteavlusudvalget	17001
	69307
Samvirkende Sjaellandske Husmandsforeninger	72280
Husdyrbrugsudvalget	62516
Samvirkende Sjaellandske Landboforeninger	27495
	58381
Planteavlsudvalget	17002
Samworth F	48606
Samy-Said M	46410
Samygin G A	25095
Samygina A I	55037
	55044
San Buenaventura P	70982
San Clemente C L	19917
	36575
San Dimas Lemon Association	22376

	Item
San Joaquin County (Calif) Dept of Agriculture	86132
San Juan H A	88661
San Martin P R	82906
San Pietro A	42934
San Pietro A	88168
	88169
	88222
	88179
San Vicente J	31527
Sanada M	35831
Sanada T	87759
Sanadze G A	34143
	60150
	69242
Sanandachari A	25518
Sanborn N D	84295
Sanborn R	73312
Sanborn R C	82080
Sanborn R R	38493
Sanby N J	57562
Sanches	26411
R A da S	26412
Sanchez C	18393
Sanchez F B	81906
Sanchez M N	74581
Sanchez R	60057
Sanchez Belda A	30857
	30858
	91722
	91723
	93323
Sanchez Botija C	54637
	63662
Sanchez Calvo M del C	43971
Sanchez Camazano M	18007
Sanchez Garcia S	49827
Sanchez-Herrera y Calle S	19079
Sanchez-Marroquin A	87932
Sanchez Mejorada N	44837
Sanchez Morales A	30414
Sanchez Nieva F	14111
	14116
	14185
	14186
	84296
Sanchez Potes A	41692
Sanchez Riviello M	4705
Sancho J	83695
Sand K	23923
Sand P F	89374
Sanda A	45784
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Sandal P C	33807
Sandar N	55423
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Sandberg K	20301
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Sandberg R L	20508
Sandberger A	74678
Sandborn R R	73298
Sande E Lemos R	94152
Sandegren E	47867
Sandelin G	66764
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Sander E H	65419
Sander H	25240
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Sanders A	79020
Sanders D	44106
Sanders H G	35042
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Sanders H R	85123
Sanders J H	65641
Sanders I T	85812
Sanders M	57908
Sanders M B	9435
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Sanders N	80572
Sanders P M	30735
Sandersleben J	3693
Sandersleben J von	20031
	36327
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Sanderson D W	93046
Sanderson H R	1582
	88567
Sanderson J H	71767
Sanderson P G	5896
Sanderson R B	5868
Sanderson W H	89336
Sanderson W W	47923
Sandev S	24947
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Sandford H	357
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Sandford J C	84590
Sandhu A S	16701
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Sandhu K S	32074
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Sandi E	65170
Sandi Mrs O	5856
	65004
Sandić M	61305
Sandie R	1365
Sandila D M	48248
Sandine W E	56657
Sandison G D	35646
	35648
Sandler L	21193
Sandler Ya M	32673
Sandmo J K	688
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Sandner H	29397
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Sandnes E	90301
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Sandosham A A	21025
Sandoval A R	42648
Sandoval F M	2051
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Sandoval J A	83637
Sandovici S	31183
Sandqvist E	23055
Sandrak N A	2162
Sandri G	19557
Sandro G di	40725
	57231
	83057
	85582
Sands G	35151
Sands J E	6527
	30872
	65642
Sands W A	29810
	38583
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Sandsteat R	50555
	50556
Sandstedt R M	38903
	57184
Sandu T	34456
	43177
Sandu-Ville C	8522
	33002
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Sandu-Ville G	87890
	87934
	87934
Sanduleac E	89999
Sanduleak E V	70150
Sandulescu A	51996
Sandulescu R	44398
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Sandulescu S	80884
Sandved G	358
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Sandved M	60824
Sandwell I	78166
Sandwith N Y	67498
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Sandy J A	62680
Sanford G E	11330
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Sanford J	45748
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Sanford J O	18256
	35170
Sanford K H	12563
Sanford L	69974
Sanford P E	72652
	72656
Sanford W G	89758
Sanfourche G	43420
Sang J H	29467
	46958
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Sangal P M	15865
Sangal S K	21504
Sangalang L E	23514
Sangawongs P	29016
Sanger A M H	4429
	4831
Sanger H L	42026
Sanger J E	77305
Sanger V L	3489
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	91922
Sangers W J	15100
	30981
Sanghi A K	24689
Sanin V A	37620
Sanjean J	12370
Sankaran A N	32482
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	67133
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	86072
Sankaranarayanan K	66374
Sankaranarayanan M P	26177
Sankin L S	33699
San'ko P M	35391
	35392
	35447
	43285
Sankovic F	72417
Sanmugathasan N	23105
Sanna A	7796
Sanna E M	34885
	39641
Sanna F L	56789
Sannac	66362
Sannan F	4007
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Sanne S	3717
	3718
	11796
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Sannella J L	84845
Sannes H	94682
Sannikov A A	79465
Sannikov G P	43801
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Sannikov P	80140
Sannikov S N	44838
Sannikov V S	87935
Sannwald K	56571
Sano E	3008
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	53732
Sano K	28697
Sano Y	14002
	42798
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Sans W W	55428
Sansavini S	15939
	25571
	29101
	30008
	33061
	34655
	67741
Sansavini S--Cont	92916
Sanslone W R	20258
	37088
Sansom B F	27863
	27864
Sansome E	87357
Sansome F W	87357
Sansone-Capogrosso A	35212
Sansoni G	69413
Sant G F van 't	13206
	64864
Sant L E van 't	12506
	12507
	46500
Sant P T	44418
Santa Barbara Botanic Garden	45
Santa Fe (Argentina) Colegio de Medicos Veterinarios de la Provincia de Santa Fe	19558
Santa Iglesia J C	94433
Santa Lucia Customs Excise and Supply Dept	15398
Santa Maria J	15867
	21971
Santamour F S	16702
	26911
	71245
	77399
Santandrea G	76278
Santapau H	169
	1380
	24015
	41445
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	41447
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Santavy F	51501
	88172
Santelmann P W	17787
	52289
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Santero G	36729
	54027
Santerre J	33300
Santhanam V	51324
	51716
	51719
	77920
Santi A	28454
Santi R	66142
Santiago A	16480
	32848
Santiago A A	22008
	36447
Santiago Luque J	54638
Santiago Luque J M	91541
	91542
	91896
Santiago y Redel E de	55117
Santic I	11334
Santilli V	34409
	77234
Santini C	56089
	70808
	82980

	Item
Santis L de	82624
	82641
	82642
Santizo F	31051
Santo F dal	3657
Santoro A T	6949
	48670
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Santoro R	12587
Santoro T	10063
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Santos C F de O	79626
Santos C F O	24195
Santos E	359
	1695
	1813
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	34822
	89084
Santos F H	42799
Santos F P	41006
Santos F P dos	6154
	39208
Santos G S	21556
Santos I S	1501
	77426
Santos J B dos	10879
Santos J O	41007
Santos J W dos	44263
Santos M H de S	86086
Santos N D dos	13090
	21505
	21506
	56039
	64737
	82907
	82908
	82909
Santos O G	34563
Santos R A F dos	40605
Santos S R dos	66143
Santos Biloni	58546
	60151
Santti A V	23924
Santucci J	53994
Santuryan V S	87936
Sanuki H	39558
Sanwal B D	43013
	51325
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Sanwal G G	1381
	34245
Sanwal K C	24477
Sanyal P	50901
	59574
Sanyer N	36074
Sanz B	56790
Sanz F	54733
	54742
	54864
	56790
Sanz Ibanez J	80676
Sanz Jarque J	15135
Sanz Moral M	21583
	38651
Sao Paulo Instituto Biologico	76683
Fundo de Pesquisas	76684
	49889
Saolapurkar V K	61649
	78981
Saono S	61192
Sapankevich V P	59596
Sapelkin V K	52290
Sapers G M	75227
Sapetti C	2108
	31409
Sapil'nikov N G	14793
Sapio G di	47941
Sapiro A B	40017
Sapiro M M	45128
Sapko M	92909
Saplala V L	81701
Sapogov P Ya	66693
Sapotnitskii S A	90455
Sapozhnikov D I	9307
Sapozhnikova A S	93684
Sapozhnikova S	47586
Sappak M I	55452
	85107
Sappenfield W P	50161
Sappenfield W P	51723
Sapporo Eirinkyoku	26729
Saprygina E S	60455
Sapsford C S	80983
Sapunaru T	37695
	46527
	86916
Sar R A	7223
Saraceno P	85173
Sarachek A	24646
Saraiya R G	21834
Saran A B	77892
Saran J	50791
Saran R	57964
Saranin A P	57563
Sarantola O	18759
Sarao F B	62547
Sarapata J	80463
Sarapuu L	69006
Sarasin G	28848
Sarasola	88409
Sarasola Sancho F	
Sarasola Sancho F M	16812
Saraswathi-Devi L	24337
	87937
Sarateanu D	72225
	73030
Saravacos G D	31052
	31053
Sarawak Dept of Agriculture	23756
Sarawak Forest Dept	10576
Sarbasov T I	27284
	72807
Sarbaugh L E	15619
Sarbhoy A K	285
	87356
Sarca T	9387
Sardi F	25638
	25639
	25640
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Sardina A C	71255
Sardo W H	19250
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Sardone L T	5825
Sardou R	82484
	82486
Sare R	36448
Sarett H P	49734
	49738
Sargeant K	20231
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Sargeant W A S	8123
Sargent C A	66686
Sargent F O	7699
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Sargent J A	9308
Sargent L B	18908
Saric M	59597
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Saric M R	77819
Saric O	69509
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Saric Z	18109
	89559
Sarin J P S	25241
	31637
Sarin M N	1224
	34144
	34145
	34146
	34147
Sarin P S	39651
Saringer Gy	63789
	63952
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	64376
	64676
Sarishvili N G	13668
Sariteanu A	26847
Sarjas de	86897
Sarjeant W A S	76824
Sarkadi J	10277
	26329
	61436
Sarkany Gy	69484
Sarkany S	87460
Sarkar B K de	33990
Sarkar M	10047
Sarkar P B	13931
	74954
Sarkisov A Kh	11335
	27310
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Sarkisov R N	20991
Sarkisova M M	87565
Sarkissian I V	60351
Sarkisyan S M	89435
Sarkov V I	45140
Sárközi K	29949
Sarma D S R	16955
Sarma K G	60277
Sarma M N	24321
Sarma M S	16671
Sarma P	24537
Sarma P S	16955
	46033
Sarma R	6087
Sarma S M U	66880
Sarma S S	25096
Sarmah K C	360
Sarmiento Uceda C	79119
Sarobi B	39071
	40940
	49268
Saroja T L	67437
Sarosi M	69007
Sarpe N	51823
	60601
	77893
Sarquis H	48204
Sarrazin M L	94683
Sarre M F	14583
Sarre M R	88662
Sarris P	48329
Sarsembin K	54133
Sartbaev K	55328
Sartbaev S	12425
Sartbaev S K	63824
	64313
Sarten C T	29041
Sarthou-Moutengou J	79986
Sartor J	32058
Sartor M	76052
Sartz R S	10007
	18585
	35121
Sarukhanyan F G	47917
Sarup P	37644
	55387
Sarup R	83853
Saruya K	48986
Sarv H	66691
Sarvella P	46
Sarvilin P I	72813
Sarykalina A D	17914
Sarykulov D	70810
Sarymsakov F S	63521
Sarzala M	29716
Sasa M	4952
	55545
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Sasa Y	49912
Sasahara H	28658
Sasahara S	90866
Sasakawa M	5149
	12895
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Sasaki M	35888
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Sasaki N	28697
Sasaki R	93337
Sasaki T	1382
	2226
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Sasame H A	31404
Sasaoka K	69243
Sasibutra L	62455
Sasimowski E	72396
Sasirababu K	46804
Saskatchewan Advisory Council on Grain Crops	25358
Saskatchewan Dept of Agriculture	58382
Saskatechwan	23573
Dept of Co-operation and Co-operative Development	58230
Saskatechewan Dept of Industry and Information	15270
Saskatchewan Dept of Natural Resources	26711
Saskatchewan Farmers Union	40512
Saskatchewan Forest Products	45004
Saskatchewan Milk Control Board	48008
Saskatchewan Municipal Hail Insurance Association	57721
Saskatchewan University Farm and Home Week	57869
Saskatchewan Wheat Pool	85434
Sasmore D P	39853
Sasse O	43142
Sassenberg J W	11558
Sasser J N	18760
	23121
	596
	24475
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	42079
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	68065
Sasso A dal	27496
Sasso G	48981
Sasson A	44043
Sastri M V S	9397
Sastri R L N	50794
Sastry G P	22338
Sastry H S	55331
	55332
	55344
Sastry K G	15271
Sastry S K	25097
Sastry L V L	22401
Sastry L V S	16957
Sastry M S	1335
Sastry V V K	26615
Satabalan K	51916
Satake Y	86502
Satarov N M	88422
Satarova N A	81702
Satava M	28220
	48150
	63368
Satchuthananthavale R	70152
Sateev A	86917
Sathe B S	91448
Sathe K R	35335
Sather G E	81570
Sather L A	40234
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Satinover N	83356
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Satlow G	39500
Sato D	87358
Sato F	64203
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Sato G	28330
	91882
Sato H	78213
Sato I	43991
	69967

	Item
Sato J	2929
Sato K	2235
	6829
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Sato S	2898
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Sato U	91897
Sato Y	31472
Satoh H	55118
Satoh T	49739
Satokawa O	34415
Satonkina Z V	50821
Satoo T	51326
	79328
Satori K G	30937
Satsyperova I F	61031
Sattarzade R	62613
Sattler K	5514
	21423
	21424
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Sattler W	56040
Saturen I M	55671
Satyanarayan Y	689
	10278
Satyanarayana	10105
Satyanarayana M C	30416
	56572
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Satyanarayana M N	84846
Satyanarayana P	61562
Satyanarayana T	34323
Satyanarayana-murthy M	26526
Satyapal K N	78705
Sau A	60388
Sau A V	69596
Sauberan C	70483
Sauberlich H E	11977
Saubert S	18080
Saucedo Portales R	77688
Sauchelli V	18597
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Saue O	62661
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Sauer H M	85947
Sauer J	41448
Sauer J D	50005
Sauer J J	75839
Sauer K	83269
Sauer M R	87133
Sauerländer S	12972
	13066
	21471
Sauerlandt W	10279
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Sauerteig H	84508
Saugen B F	2527
Saul G B	5321
Saul R A	22486
Saulescu N	77894
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Saulite E	81283
	81316
Saulmon E E	3559
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Saums W A	11089
Saumweber W	14506
	31416
Saunder D H	52485
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Saunders C N	91898
Saunders D E	69871
Saunders D H	45890
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Saunders F B	32064
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Saunders G W	4704
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Saunders J H	42426
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Saunders J M	14003
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Saunders L Z	3185
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Saunders P	11673
Saunders R	14543
Saunders S C	49563
Saunders W	6313
Saurat O	54413
Saure M	8477
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Sauret S	41787
Saussaye F	45664
Sauter E A	7124
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Sautet J	38256
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Sauthoff W	67910
Sautich M A	24870
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Sautier P M	93046
Sautin V I	79226
Sautter E H	51327
Sautter J H	80573
Sauvage C	67503
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Sauvel R	11336
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Savachenko P Yu	72901
Savage A	3694
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Savage J E	3028
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Savan M	27808
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Savander P	45005
Savarenskii A D	70811
Savary A	77272
Savary G	65403
	66125
Savary R	23574
	38963
	57870
Savastano G	14461
Savchenko A M	32047
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Savchenko E M	86133
Savchenko E N	29468
	29469
Savchenko G V	68444
Savchenko M	51328
Savchenko M E	72682
Savchenko M I	59599
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	68363
Savchenko P E	37339
Savchenko S M	13395
Savchuk D I	55045
Savel'ev B	94858
Savel'ev B V	31528
Savel'ev D V	37592
Savel'ev M	57962
Savel'ev M M	31776
Savel'ev N M	1609
Savel'ev S I	34442
	52889
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Savel'ev Yu A	20528
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Savelli R	33718
Savenko R F	92614
Saverkin A P	60574
Savescu A	33110
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Savhagen R	38233
	38234
Savic B	32453
Savić D	44586
Savich A L	14390
Savich B M	63304
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Savich I A	4189
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Savich V P	8309
Savich Yu N	90099
Savich-Lyubitskaya L I	816
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Savichev P I	40641
Savidge E T	85232
Savige T J	25770
Savile D B O	50072
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Saville B	14570
Savin E N	71061
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Savin G	24322
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Savin M P	36704
Savin M V	57486
Savin Z	3965
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Savina A V	90134
	90174
Savina S S	33865
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Savini P	14903
Savinkov S M	10537
Savino F X	45915
Savinov B I	2211
Savinova N	52136
Savinovskaya A A	12055
Savinskaya N V	42604
Savinskii E	89945
Savinskii P I	86918
Savitskaite E	88223
Savitskaya M I	10008
Savitskaya V A	88348
Savitskii B P	92485
Savitskii L M	10415
Savitskii V M	57487
Savitt S	72397
Savkina I G	16784
Savkovic D	20453
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Savoiskii A G	11510
Savos M	77077
Savos M G	81573
Savostin V	88424
Savory B M	50073
Savory J G	73362
Savory T	4953
Savov A	72226
Savov D	80422
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Savov T	54888
Savu S	34389
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	43091
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Savulescu A	33301
	33302
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Savulescu O	33003
Savulescu T	47
	33003
Savulescu V	34406
	43106
Savushkin V	48940
Savushkin V M	94070
Savvichev K I	25098
Sawa M	34425
Sawada E	42801
Sawada I	28310
	80877
Sawada J	28047
Sawada K	86583
Sawada M	28141
Sawada T	28025
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Sawada Y	61164
Sawaf S K	29676
Sawaguchi Y	84117
Sawaki Y	79569
Sawamura K	67911
Sawanoborii H	83649
Sawant P L	22948
Sawaryn Z	67912
Sawhney A N	28515
Sawhney B L	18028
Sawhney P C	3069
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Sawicki A	79894
Sawicki R M	55333
	63790
	63862
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Sawin P B	28405
Sawyer D C	20007
Sawyer E W	63780

	Item
Sawyer F M	5970
	5981
	13484
Sawyer L E	44128
Sawyer M	38995
Sawyer R	48518
Sawyer R L	17609
	17673
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Sawyer W A	11536
	52291
Sax H J	42293
	60152
Sax K	42293
	60152
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Saxam O	92241
Saxby S H	42156
Saxegaard F	62456
Saxena B C	31184
	84509
Saxena E R	2528
Saxena G B	85798
Saxena H C	20158
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Saxena J S	89368
Saxena K L	14228
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Saxena K N	5211
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Saxena P N	21323
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Saxena R S	17080
Saxena S B L	45665
Saxena S C	21026
Saxena S K	23575
Saxena S P	28314
Saxena V B	22845
Saxon E A	7648
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Say J S	78125
Saya I	79627
Sayapin G	5773
Sayce R B	5830
el-Sayed Abdel-al Z	77691
el Sayegh Y	17040
Sayer H J	64707
Sayia D A	65334
Sayn-Wittgenstein L	2632
	18797
	26794
	79169
Saÿo R	47853
Sayre C R	23367
Sayre R M	33444
Sayre R N	4278
Sayutin I	69372
Sayutin I	88371
Sazanov A M	91713
Sazanov V I	68364
Sazanova A M	36028
Sazanskii Ya	23110
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Sazanskii Ya I	85315
Sazhin F	13374
Sazhin S I ___	72057
Sazonik Kh V	37620
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Sazonov A P	63953
Sazonov M	91109
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Sazonov P V	92108
Sazonova I N	12357
Sbernardori U	54553
Sbiera A	45056
Sbirnac A	26748
Sboeva R M	18999
Sborshchikova M P	92109
Scaccini A	80423
Scagel R F	229
	690
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Scaillet M	69597
Scaletti J V	6420
Scallet B L	57185
Scamman E	24033
Scammell F E	67018
Scamoni A	61297
Scandiani O	80653
Scandizzo R	18529
Scandrett W B	45951
Scanlan J J	31473
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Scanlan J T	31395
	48754
Scanlan R A	62967
Scanlon E H	43562
Scanlon J E	3765
Scanu A W	84603
Scapaccino G	7362
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Scapaccino M	57232
Scapini P	23814
Scappacino M	76712
Scaramuzzi F	39627
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	88917
	88918
Scaramuzzi G	34148
	34149
	86919
Scarascia G T	32508
	76816
Scardavi A	24338
Scarduzio G	52991
Scarlett C A	83732
	83927
Scarneo J M	40941
Scarpa G	56451
Scarpelli G	27425
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Scarpellino R J	39287
Scarponi F	33303
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Schaal W	58277
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Schaben L J	23627
Schabinski S	19088
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Schachter M	21320
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Schadeck M	39958
Schaef C	40133
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Schaefer-Kehnert W	14677
Schaefers G A	13028
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Schaefers G A--Cont	73758
Schaeffer G W	16958
Schaeffer R	59016
Schaeflein H	92405
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Schaezler D Freiherr von	14726
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Schaffner P W	71062
Schaffranke E	79988
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Schaible P J	3722
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Schaik N W van	59738
Schaik P van	94718
Schaik T F S M van	58333
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Schairer L A	42842
Schajovskoy S	29707
Schalburg R von	85727
Schalck J	44993
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Schalck J--Cont	78291
	78292
Schalk A	44251
Schalk C	37271
Schall E D	2526
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Scharmer H J	58278
Scharpenseel H W	43973
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	Item
Scharringa M	19038
Schastnaya L S	70466
Schattner F	19906
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Schaub H P	84107
Schaufelberger P	78526
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Scheffter H	56251
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Scheibenbogen J	56184
Scheible G V	85881
Scheibner G	84637
Scheidereiter G	47673
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Scheller U	4954
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Schelling J	18180
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Schelling P	77896
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Schelpe E A	17512
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Scheltema J H	48349
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Schenck N C	31055
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Scherm W	83119
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Schermerhorn R W	57435
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Scheuermann W	21794
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Schierman L W	3958
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Schiler R	90867
Schilfgaarde J van	35529
Schillak R	70293
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Schille C	62162
Schiller K	79708
Schiller O	31883
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Schiltz P	33229
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Schimmelpfennig H	3767
Schimmelpfennig K	54415
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Schink-Horvay M	27426
Schinkel W	43339
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Schimitschek G	19048
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Schipper C J	62922
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Schipper L	57197
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Schippers-Lammertse A F	86584
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Schirmacher	53459
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Schirmer R G	91202
Schivardi G	27427
Schiweck H	48939
Schjelderup H H	90238
Schjerning-Thiesen K	11337
Schjotz-Christensen B	21148
Schlaaff S	45789
Schlafman I H	6265
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Schlaghamersky A	71382
Schlaghecken A	13148
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Schlatter C	62457
Schlauch W H	71348
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	Item
Schleswig-Holstein Statistisches Landesamt	39105
Schleter J M	6713
Schletter A	90350
Schleusener P E	70756
Schleusener R A	43906
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Schleusener W	43647
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Schlichting E	43974
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Schliephake D	22887
Schliephake G	47257
Schliesser T	72683
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Schlinger E I	33029
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Schlising R A	41449
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Schloss R W	30927
Schlosser G C	7160
Schlosser L A	17207
Schlosser M	74314
Schlosser-Szigat G	34503
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Schlotthauer J C	27991
Schlottmann H	15479
Schlubach H H	1227
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Schlubatis G R	58303
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Schluter H	59323
Schlutter H	38827
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Schmalz H	16704
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Schmidt-Nielsen B	28164
Schmidt-Terptow W A	27428
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Schmidtke H O	91247
Schmidtkunz	62113
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Schmieder W	14293
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Schmiterlow C G	54866
Schmitschek E	29160
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Schmitt-Krahmer H	67742
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Schmitter W	45407
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Schmucker F L	6155
Schmucker T	59234
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Schmulling E	57353
Schmutterer H	24173
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Schnabel M L	20201
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Schnaider F	74883
Schnaider J	29149
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	Item
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Schonhals E	18216
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Schonnams-gruber H	10695
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Schonowsky H	88118
Schoof H F	4430
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Schoolcraft C D	38964
Schooler A B	1229
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Schoonneveldt J C van	46071
Schoonover C O	4221
Schoonover W R	70295
Schoop A	47112
Schoop G	36330
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Schoutendorp J M	39690
Schouwenburg J C van	1385
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Schraml O	90799
Schramm E	7370
Schramm R W	44530
Schramm W	76378
Schrank A R	9141
Schrapler W	74797
Schratt H	47868

	Item
Schreader W R	69712
Schreder R	85488
Schreeck W	74864
Schreiber B	72685
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Schreiber E	35933
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Schretzenmayr M	68182
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Schrodter J	13182
Schroeder C A	9606
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Schubert J R	12153
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Schubert O E	17782
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Schubert O E--Cont	22403
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Schuch R L	4131
Schuchardt L F	91100
Schuchardt R	11676
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Schueler R	28048
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Schuessler R	36922
Schuffelen A C	52411
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Schuhmann G	41882
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Schuiringa-Sybesma A M	3560
Schukking S	3075
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Schuldt P H	1962
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Schulenburg Graf W von der	64777
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Schuler G	93736
Schuler J F	33805
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Schultz M G	27430
Schultz O E	48250
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Schultze A B	3561
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Schultze-Dewitz G	11132
Schultze Grzimek S	75348
Schultze-Motel W	41450
Schulz B	67359
Schulz C	66179
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Schulz K	23630
Schulz K--Cont	26332
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Schulz O K	41202
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Schulz S	57310
Schulz W	56791
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Schulz W B T	39850
Schulz W O	71446
Schulz-Schaeffer J	24648
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Schulz-Schomburgk E	93473
Schulze B	2860
Schulze D	57244
Schulze E	66236
Schulze E M	73023
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Schulze H E	28663
Schulze J	34371
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Schulze K J	30009
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Schum G K	67504
Schumacher C	14716
Schumacher E	20474

	Item
Schumacher E--Cont	27660
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Schumacher G J	24064
Schumacher I	84132
Schumacher K F	44129
Schumacher R	25103
Schumacher W	33658
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Schumacker R	34318
Schumaier C P	5969
Schumaier G	3960
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Schumann H	28916
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Schumm H R	31296
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Schurz J	36125
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Schussnig B	58762
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Schuster V	69978
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Schwab A W	66110
Schwab G O	2456
Schwab R G	64474
Schwabe G H	2334
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Schwabe U	55288
Schwabe W W	24413
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Schwaiger H	26750
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Schwanitz F	77452
Schwanke R	23202
Schwantes G	58656
Schwantes H O	43015
Schwarcz F	91848
Schwark H J	72398
Schwarte L H	55145
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Schwarting A E--Cont	60089
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Schwartze A M	37092
Schwartze C D	69709
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Schwarz G	56552
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Schwarzenbach F H	76916
Schwarzenbach H	5708
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Schwebel A	93052
Schweers M	76685
Schweers V H	8884
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Schwegler-Schumacher N	32562
Schweigart H A	86087
Schweiger H	5033
Schweigert B S	22638
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Schweisgut O	11820
Schweisheimer W	23701
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Schweizer W F	75028
Schweizerische Botanische Gesellschaft	76885
Schweizerische Gesellschaft fur Analytische und Angewandte Chemie	76686
Schweizerische Kynologische Gesellschaft	3642
Schweizerische Milchkommission	6189
Schweizerische Vereinigung fur Freiwilligen Land- und Arbeitsdienst	23108
Schweizerische Vereinigung fur Innenkolonisation und Industrielle Landwirtschaft	23381
Schweizerischer Bauernverband	23546
Preisberichtstelle	40513
Schweizerischer Braunviehzuchtverband Herdebuchstelle fur Braunvieh	90869
Schweizerischer Forstverein	18658
Schweizerischer Geflugelzuchtverband	72740
Schweizerischer Obstverband	43371
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Schweizerischer Verband der Ingenieur-Agronomen	62274
Schweizerisches Bauernsekretariat	21928
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Schwemmle J	74453
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Schwertner E	49501
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Schwier M L	30984
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Sciaroni R H-- Cont 52972 59976
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Scofield W H 7489 57660 76313
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Scortescu G 93329
Scorzelli A 40870
Scotland Crofters Commission 49270 94434
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Scottish Standing Committee on Residual Values of Fertilizers and Feeding Stuffs 15136
Scotland Dept of Health 40756
Scotland Land Court 7700 32100
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Scott B I H 51335
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Scottish Association of Young Farmers Clubs 76458 85918
Scottish Horticultural Research Institut 25542
Scottish Milk Marketing Board 22120 30692
Scottish Society for Prevention of Cruelty to Animals 62517
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Scrimpf C 16706
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Scrivner C L 89611
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Scully R M 17516
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Scurtu D 33824 42465 42488 87949
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Sdobnov S I 66391
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Seagraves J A 40575 89875
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Sealand Manor Co-operators (Welsh Land Settlement) 40697
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Seale P E 14060
Seals D 47708
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Seaman W L 33361
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Seaney R R 42427 60156
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Searles D 2883
Sears E R 24755 50889
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Sears P D 88665 88666 88667
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Sebald O 68184
Sebastian R 85066
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Sebok Mrs I 24649
Sebok P 70602
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Séchet J 69011
Sechler D T 42810
Sechnyak L K 43143
Secord A C 11342
Seculi Brillas J 54965
Seczkowska K 21509 21510 38589

	Item
Sedati G	26539
Sedcole C F	74538
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Sedenko D M	69156
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Sedlacek J	37964
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Sedlak O	44942
Sedlak V A	4528
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Sedlmayr K	43649
Sedlmayr M	51336
Sedlmayr T	34155
Sedlmayr T E	77454
Sedlukho N Ya	2110
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Sedoi G I	19246
Sedova A	69980
Sedova T V	33720
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Seed V R	15137
Seedorf W	14914
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Seehafer W	55154
Seehofer F	59189
Seehusen	26721
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Seeker B	57777
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Seeley H E	71064
Seeley H W	38887
Seeley M G	6989
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Seeliger M E	19908
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Seely R B	52297
Seemann W	73024
Seemanthani K B	89213
Seerley R W	26818
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Seery T J	65582
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Seetharaman R	69409
Seevers G	49539
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Seferovich G H	38599
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Segal H S	31186
Segal L	14005
Segalen P	50631
Segall R H	57612
Segalla A L	34564
Segars J	37141
Segawa S	32933
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Segedin C M	70220
Seger C L	19864
Segeta V	87950
Segetova V	44044
Segi T	16260
Seginer I	70221
Segler G	13149
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Segovia de Arana J M	23702
Segovia V M	28808
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Seguerra J B	10969
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Seilhan G	25847
Seiligmann-Rondest J	51558
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Seisebaev A T	1233
Seitov A	14298
Sejourne C	62323
Sekariah P C	4143
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Sellars W A	28866
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	Item
Seller H F	7177
Sellerio U	14422
Sellers A F	27851
Sellers J D	53526
Sellers K C	4281
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Sellers W	1649
Sellier R	37973
Selling O H	67229
Sellnick M	21075
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Selskapet for Norges Vel	76688
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Semedo C M B	64109
Semek L	54994
Semel M	4653
Semenenko H I	34156
Semenenko T N	87951
Semenenko V E	34157
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Semenova N V	27223
Semenova N Yu	34443
Semenova S A	55459
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Semenova-Tyan-shanskaya A M	94899
Semenovich G I	9614
Semenovich I M	34523
Semenyak Yu A	92894
Semenyuk F	93739
Semenyuta F I	61802
Semerdjiev B	63324
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Semernin F R	85308
Semikhatova O A	87953
Semikhnenko P G	9521
	88726
Semin A	11660
Semin V S	9143
Seminar on Agriculture in the Soviet Union	23205
Seminar on Implications of Agricultural Adjustment for Land Grant College Administrators	58185
Seminar on Teaching Methods in Agricultural and Veterinary Sciences	15275
Seminar über Probleme der Ernahrungs-beratung auf dem Lande	15451
Seminario Brasileiro de Herbicidas e Ervas Daninhas	89373
Seminario Nacional de la Ensenanza de la Ingenieria Agronomica la Medicina Veterinaria y la Ingenieria Forestal	85882
Seminiano E N	44053
Semjan S	81147
Semmelman J	65761
Semprini P	54221
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Semushina T N	27134
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Sen B R	7541
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Sen-Sarma P K	21503
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Senaud J	28516
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Senchenkova E M	58426
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Senegacnik J	54130
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Seneviratne D	27381
Senewiratne S T	75660
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Senft J F	53618
Senftleben	66811
Sengalevich G	92152
Sengbusch R von	9816
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Sengelin A	60615
Senger C M	4147
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Sengupta D M	66443
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Senior B	23516
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Senior W S	58039
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Senkevich B N	89919
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Senn V J	39769
Senning A	50404
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Senshu T	62885
Sentek W	81233
Sentheshanmu-ganathan S	50797
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Senturk F	26541
Sentz J C	51677
Senze A	54423
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Seo H	2226
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Sepall O	2996
Sepp V	36711
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Sepulveda Sando-val R	11527
Sequeira A	73314
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Sequeira L	67977
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Serafimov S	89436
Seranno J de	70694
Serba R M	46016
Serbanescu I	78579
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Serbanescu N	88328
Serbanescu-Jitariu G	68365
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Serben E	78167
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Serbulov A	5774
Sercelj A	18659
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Serdyuk L G	74422
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Serebryakov F I	2662
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Sergievskaya L P	15563
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Serkezy-Adeh W	87833
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Serodio R dos S	93740
Serokhvostov V V	2956
Serokowa D	62460
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Serra C	32625
Serra J C	94471
Serra W W	53700

	Item
Serra W W-- Cont	79595
Serrano F M H	79898
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Serrano P J L	78142
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Serres F J de	60159
Serres H	12287
Serres J R	54005
Serres L	56792
Serres R	39490
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Serry V	53499
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Servants of India Society	40897
Servello V	52994
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Service M W	55834
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Servici de Rondini M A	61298
Servicio Cooperativo Interamericano de Agricultura	23206
Servicio Interamericano de Cooperacion Agricola en Panama	13518
Servicio Tecnico Interamericano de Cooperacion	31868
	31886
Agricola	58186
Laboratorio Quimico de Investigaciones Agronomicas	9334
Serville Y	49686
Servizio Contributi Agricoli Unificati	85799
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Serzhanina G I	67644
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Settekorn U	54682
Setten A van	13910
Setten G G K	26685
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Setter L R	21850
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	Item
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Sharratt W J	18358
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Shaskol'skaya N D	73242
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Shastri C P	94437
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Shaternikova A N	11066
Shatilov V A	29981
Shatilova I I	8159
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Shatrau V	82857
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Shaumyan K V	52007
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Shchepot'ev F L	16386
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	Item
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Shcherbina P S	4833
Shcherbina T S	33004
Shcherbinin N P	89266
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Shearin R E	10638
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Shebeski L H	1047
Shebitchenko N F	46209
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Shechter R	92340
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Shedesky P	52053
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Shefrin F	86237
Sheftel' I	65695
Sheftel' I M	69727
Shehata S G	39770
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Shelden G P B	73244
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Sheldon W H	6833
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	Item
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Shibley G P	46036
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Shibuya T	88727
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Shichijo T	69717
Shickluna J C	18359
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Shida S	60169
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Shidei T	79259
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Shidlovskii S F	70298
Shidlovskii Yu M	92842
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Shields I J	17149
Shields J	28547
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Shiflet T N--Cont	71339
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Shigesawa S	53595
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Shilkina I A	86372
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Shivaramiah G	8787
Shivas M G	196
Shiyanov G N	88672
Shkarlet P T	72792
Shkel' M P	44208
	44270
Shkinkis Ts N	18535
	44430
	78888
Shkipsna Ya E	50408
Shklyar M Z	60171
Shkodenko V I	86923
Shkodin N	4148
Shkol'nik M Ya	25110
	51341
	59613
	87960
	87961
	88226
Shkol'nikova T	69602
	88673
Shkunkova Yu S	72065
Shkuratenko Z V	68187
Shkurenko G M	59049
Shkurenko S V	77403
Shkurina A M	68671
Shkurko E D	53911
Shkurko I A	82001
Shkvarkina T I	6808
	93716
Shkvarnikov P K	77404
Shleifer S V	59997
Shleimovich P I	2058
Shliozberg Yu A	29973
Shloss E S	59442
Shluger E G	73576
Shluger I S	55340
Shlyakhov V	76202
Shlyakov R N	48
	210
Shlyakova E V	59614
	59615
Shlyanin V N	11058
Shlyk A A	42825
	64248
	69249
	69250
	88227
Shmakov N V	90919

	Item
Shmal'gauzen V I	61983
Shmal'ko V F	81721
Shmal'ko V G	37749
Shmanenkov N A	3071
	36204
	36712
	53796
Shmaraev G E	10388
	34931
Shmegevskii A A	88776
Shmelev B M	92777
Shmelev D	64894
Shmelev V K	90453
Shmeleva L	56665
Shmeleva V	87962
Shmeleva V A	81706
Shmidt R	17082
Shmidt S P	81707
Shmidt V M	67510
Shmina E A	60172
Shmuilovich D S	45052
Shmuk A A	31618
Shmulevich A I	19564
	62462
	62907
Shmygin I I	11529
Shmytova G Ya	73025
	73644
Shneider Yu I	58853
	59194
	88758
Shnittker J A	13909
Shnyrikov D G	62163
Sho S	34026
Shobel'tsyn Yu V	13408
Shochatovitz A	36829
Shockley J W	11977
Shockley P A	55473
Shockley R T	13515
Shodat F	60201
Shoeb Z E	7063
Shoemaker G A	39074
	74539
Shoemaker H E	18004
Shoemaker J C	60725
Shoemaker J S	60700
Shoemaker K	14796
	31779
	85309
Shoemaker R A	77020
Shoemaker T	10559
Shoemaker W L	79010
Shoffner F	41130
Shoffner R N	3825
	11871
	20136
	20301
	80921
Shogren M D	75292
Shohara H	32621
	76818
Shoho C	54425
	54957
Shoikhet L	85038
Shoji F	47361
Shoji S	10051
	61169
	61170
	78386
Shokeir A A	62908
Shol' V A	63670
Sholokhov A M	59616
Sholokhov E I	85441
Shome K B	35255
	52562
Shome S K	32948
	75149
Shomo H	38999
Shomoshch A	25111
Shone D K	19565
	27435
	54755
Shone F K	43289
Shone G	75593
Shoop G J	52198
	52199
Shoop M C	62678
	80183
Shoosh K	9414
Shope R E	54008
	55341
Shopfer P	60201
Shopina V V	87465
Shoppee C W	53711
Shore W	6860
Shorey H H	29039
	46505
	55457
Shorina N I	59326
Shorland F B	1309
	72863
	91726
Shorma D K	88878
Shornikova N	93663
Shornikova N M	93669
Shorokhov V	5711
Shorokhova N	72540
	80754
Shorrocks V M	10282
	10283
	44153
Short E P	31738
Short J F	5982
Short J G	4592
Short J R	31189
Short N M	2228
Short R V	20090
	36713
	54640
Short W S	31319
Shorthorn Society of South Africa	i1445
Shorthorn Society of the United Kingdom of Gt Brit and Ireland	11446
	19679
	19680
	27579
	62617
Shorthorn World	36451
	90871
Shorthose W R	28517
Shortino T J	64447
Shortlidge F T	30680
Shortridge E H	72876
Shostack A	14802
Shostak V A	27580
Shostakovskii S A	58602
Shots E B	81350
Shotskii B P	85765
Shotton F E	1238
	78711
Shotton F W	15633
Shoulders J F	18361
	51794
	60578
el Shourbagui M N	68156
Shove G C	65932
Shover J L	86233
Showalter A H	60831
Showalter R K	57007
	65719
Showler A J	48740
Shoya S	28483
Shpakov A P	71673
Shpakova N	69027
Shpilenya S E	16716
Shpingis A A	43032
Shpits I I	66036
Shpolyanskii D M	5764
	13234
	13240
Shpota V I	42441
Shprykov D N	31780
Shpuntova M E	30752
Shrader J F	8186
Shrader W D	2342
	18273
	18421
	35398
	40515
	44147
	58095
	89738
	89913
Shreider M N	29952
	83120
Shreider V	44431
Shreider V A	10344
Shrift A	9310
Shrikhande J G	78344
Shrimpton D H	84878
	84879
Shrinivasa-murthy A S	34565
Shrivastav J B	28453
Shrivastava G P	170
Shrivastava R N	55265
Shrivastava S C	82196
Shroff G G	6478
Shroff H D	79601
Shroff N B	74830
	74831
Shropshire W	51342
	69028
Shropshire Sheep Breeders' Association and Flock Book Society	4066
Shtal'berg S	93373
Shtanagei V G	71549
Shtan'ko A V	88674
Shtan'ko K T	32863
Shtan'ko T P	69131
Shtarbanova E	22340
Shtefanovich P	44111
Shtein-Mar-golina V A	87076
Shteinbok S D	71546
Shteinvol'f L P	90208
Shtempel' B M	67360
Shtenberg A I	74497
Shtepa B	26544
Shtepa I S	42301
Shterenberg P M	59050
Shtil'mark F R	61948
Shtina E A	16262
Shtoiko D A	78889
Shtol' G M	65007
Shtraukh-Valeva S A	33308
Shtreis R I	60906
Shtrom V	82986
Shtromberg A Ya	8788
Shtun F A	63524
Shtundyuk A V	55513
Shturba E K	11539
Shtyka V P	89884
Shtys Z	33285
Shu C	76886
Shu K H	21263
Shubert T A	69170
Shubin A A	37308
Shubin G P	41698
Shubin I D	70086
Shubin V A	28518
	36714
	37164
Shubin V F	10461
	52998
	90800
Shubin V I	19002
	19003
	90232
Shubina L	83933
Shubladze K K	10419
	18536
Shudel' M S	92635
Shue G M	3963
Shuel R W	37902
Shuey W C	39861
Shugars O K	94522
Shukhobodskii B A	69251
Shukhtina G G	42826
Shukla M	41576
	41577
	59051
Shukla P	18036
Shukla P C	3386
Shukla R K	89216
Shukla R R	4143
	12147
Shukla T	44426
Shukla T N	35321
Shulenin M	47587
Shuler P E	22449
Shuler W R	70817
Shul'ga M S	34524
	43651
	69603
Shul'ga P M	88675
Shul'gin A M	60457
Shul'gin I A	33553
	34163
	51141
	51343
	60173
	68368
	87963
Shul'gin V N	62164
	79558
Shulika M N	92293
Shulkcum E	88433
Shul'kin G I	90423
Shull A	59167
Shull C P	53638
Shull E M	29727
Shull H	10420
	89375
Shulman S	46369
Shulov B S	93007
Shult E	50872
Shult E E	8816
	50905
Shultis A	7164
	7441
	7649
Shul'ts G F	62049
Shul'ts M	18537
Shul'ts R	79900
Shul'ts R S	62463
	72877
Shulyak F S	27436
Shulyndin A F	43147
	60458
Shulyumov E S	27310
Shul'zhenko I F	76798
Shumaker T P	41888
Shumakher Yu	13911
Shumakov B A	10421
	78890
Shumakov V S	79347
Shuman C B	14849
Shuman R D	12289
	12302
Shumanov E A	50228
Shumanskaya M G	69321
Shumard R F	45790
Shumeiko I R	17310
Shumeiko U Ya	72418
Shumilin I	72964
Shumilina Z K	71261
Shumilov S	51795
Shumilova M	14067
Shumway C	10646
Shunichev S I	52138
Shupe J L	36645
	62909
	72094
	80184
	81026
Shupe W D	12042
Shur I V	6979
	22618
Shura G	41699
	43805
Shura-Bura B L	64455
Shurkin V P	69609
Shurly E	171
Shurov N P	93514
Shurovenko B G	13092
	46891
Shurpalekar S R	15480
	47664
	48977
Shurtleff M C	50229
	86654
	86924
Shurygin A P	2059
Shushpanov D M	66481
Shuster L	69029
Shustov V T	7101
Shustova A P	34164
	59617
Shute G J M	13871
Shute P G	4565
	82483
Shutenko I A	9528
	9538
	14584
	17249
	78006
Shutov A D	88249
Shutov G K	13391
	40152
Shutov I V	26844
	61877
Shutova N N	63791
	63958
Shutyaev N A	62464
Shutze J V	3932
	20302
	72636
	72741
Shuval H I	79044
Shvaiko K P	17004
Shvartsburg L	56117
Shvartsman E M	59571
Shvartsman S R	41581
Shvartsshtain E	79559
Shvedikov N M	47362

	Item
Shvedskaya Z	34019
Shvedskaya Z M	34165
	59490
	59491
	60353
	60354
Shveitsarov L	47561
Shveitsarov L L	13158
Shvetsov A S	39637
Shvetsov V	75485
Shvetsova O I	12998
Shvetsova Shilovskaya K D	37741
Shvyryaeva A M	50802
Shyamala B	73496
Shyamala G	14300
Shyamala M B	64223
	73497
Shyu Y P	78278
Sial M B	72565
Sibal E Y	26687
Sibalic S	54969
	72235
	73168
Sibalin M	28031
	28700
Sibaoka T	77701
Sibbald I R	3872
	11917
	36242
	36929
	45936
	45937
	45938
	45939
	72533
	72534
	72566
	72567
	72568
	72569
	72572
	72573
	80766
	80767
	80768
	80769
	91439
	91452
	91453
	91456
Sibbitt L D	22524
	31190
	65933
	75353
Sibert I	92279
Sibian M	43326
Sibilia C	33125
	59052
	59179
	77254
Sibireva Z A	68177
Sibley J G	48982
Sic R	62618
Sicard H	85310
	85730
Sicart M	82455
	82484
	82485
	82486
	82487
Sicer J W	3873
	3964
	5902
	85654
Siciliano J	48443
	84291
Sickles J S	80433
Siclovan V	34406
	43106
Sicre Canut L	48814
Sidak R N	88777
Siddappa G S	6724
	14066
	65813
	65814
	75231
Siddhye G V	40170
Siddiq E A	24653
Siddiqi M A	2132
Siddiqi M R	8638
	16189
Siddiqi O H	42428
Siddiqui S	9968
	43017
	43018
Siddiqui Z A	8639
Siddiqullah M	43006
Siddle P J	20271
Siddoway F H	2473
	89903
Side K C	73645
	73759
Sidenko I O	67881
Sidhu A S	55228
	55617
Sidhu B S	33804
Sidki el-S	77267
Sidky S	77175
	77176
	77177
	77178
Sidor C	73850
Sidorenko A I	70383
Sidorenko G T	87214
Sidorin G N	62038
Sidorov B N	16424
Sidorov F F	9398
	17083
	23207
	25362
	25363
	51688
	60459
	94913
Sidorov I S	88676
Sidorov L F	8682
	87215
Sidorov M	54426
	88296
Sidorov N V	28268
Sidorova A I	59842
Sidorova E K	6734
Sidorova F F	60174
Sidorova K K	9508
Sidorova S G	27286
Sidwell A P	30958
Sidwell C G	48640
	74431
Sidwell G M	19355
Siebe C	17794
Siebel H	28636
Siebeneick H	93592
Sieber J	9763
	9764
	9765
	9766
	9767
Sieber S	79772
Siebert	38839
Siebert A	76459
Siebert L	13372
Siebert R W	72343
Siebs E	43429
Sieck K H	62991
Siedentopf H A	72283
Sieder L	82791
Sieg R	74049
	74129
	74237
	83212
Siegel A	16149
Siegel H S	3834
	12043
	20263
	46037
	91472
	91482
	91524
Siegel M R	26637
	78998
Siegel O	30490
	34166
	58283
	75594
Siegel P B	3834
	46072
	72481
	91375
	91454
	91472
	91557
Siegel S M	9150
	51344
	58897
	60175
	69030
Siegel W C	10583
	53597
	53608
Siegelman H W	51562
Siegenthaler E	30565
	66700
	74300
Siegenthaler P A	34109
	51278
Siegesmund K A	24641
	42302
Siegl O	28619
	37340
	81227
	83248
Siegle H	77179
Siegmann O	63326
	66180
Siegmann O F	54852
Siegmund O H	72237
Siegrist J C	80433
Siegrist M	86310
Siegruhn F T	28174
	80718
Sieker W E	67201
Sielaff P	47592
Sielicka B	27855
	80434
Siemens L B	17084
Siemiencow G	49768
	85883
Sieminska J	634
Sieminski M A	14007
Siena Camera di Commercio Industria e Agricoltura	32209
Siepker A J	44487
Siepman A H J	38632
	92853
Sierens G	72731
	91432
Sierpinski Z	55522
	92244
Sierpinskiego Z	29149
Sierra A	11189
Sierra Leone	32403
Sierra Leone Dept of Agriculture	8003
Sierra Leone Forest Admin	18702
Sierra Leone Produce Marketing Board	5983
Sierra Leone Surveys and Lands Dept	85585
Siert R	7224
Sierts-Roth U	27953
Siesto A J	35084
Sietz F G	7102
	31411
Sievers E	42827
Sievert C W	62325
	63136
	74929
	91455
Siewinski A	8152
Sigal L A	15030
Sigalov B Ya	60832
Siganur I Sh	93935
Siggia S	23703
Siggs L W	12973
	64677
Sigler M J	90380
Sigler W F	77872
Signorelli P	88677
Signoret J P	46220
	81248
Signorini G C	54641
Sigryanskii A M	64057
Sigurjonsson A	31305
Sigwalt B	81802
Sihler M	16263
Sihler P	14006
Sihm P A	20530
Sihota I	10598
Sihto E	40232
Siim A	65575
Siimon A M	8065
	34606
Sijbolts J J	27856
Sijbrandij S R	72284
Sijbring P H	65794
Sijpesteijn A K	1352
	50409
	88164
Sijtsma R	60176
Sik Mrs K	70384
Sikes J D	54339
	62910
Sikes L	86063
Sikes R K	90710
Sikharchuk G	31842
Sikharulidze N G	69031
Sikka H C	23339
Sikka K C	9311
Sikka L C	85746
Sikka S M	923
	8842
	67922
	68514
Sikora B	18816
Sikorowski P P	59053
Sikorski R	32214
Sikorskii A	11347
Sikula J	88297
Sikura A I	29139
	46438
Sikura I I	23942
Sila A	31505
Sila B	45100
Silagadze L S	87862
Silagi S	82362
Silanpaa M	2060
Silber G	41700
Silbereisen R	8696
Silberman A	62757
Silberman G	72842
Silbernagel H	19181
Silberschmidt K	24437
	60239
	73282
	77522
	87075
Silberstein L	24808
Silberzahn H	31483
	75670
Sil'chenko N	56083
Sil'chenko N F	92838
Silen R R	44841
	71122
	71262
	79349
Siler R	12215
	28568
Siliezar G R	24397
Silin A	32030
	66732
	94523
Silin P M	22889
	22890
	94072
Silin V	67230
Silin-Bekchurin A	89466
Silina A A	16717
Silina Z M	59618
	68240
	89088
Siline-Bektchourine A I	18538
Silk Digest	84109
Silkin A M	10422
	37592
Sill W H	41635
	41701
	67999
Sillanpaa M	26336
	61100
	61171
	61172
Sillar D I	4603
	28956
Sillcock	76215
Sillcock K M	27936
	32250
	45525
	57968
	58040
	94438
Siller L R	8358
	8386
	37744
Siller W G	11915
	54814
	63262
	80881
Sillibourne	14070
Sillibourne J M	22405
	73316
Silliker J H	21795
	47649
	47650
	48719
	84638
	84705
Sills M W	48350
Sills V E	70151
Silobad B	62600

Silva A E N L de A E 49419
Silva A M da 41307, 49190, 49191, 49502, 93549, 94688
Silva A R P da 49
Silva C A de 31506, 70152
Silva C C de 32484
Silva D M 50495
Silva F 52362
Silva F J 90551
Silva F O M de 30081
Silva G V S de 26337
Silva J A C D da 76270
Silva J B V da 25246, 50633, 69604, 69605, 87964
Silva J da C 48012
Silva J E da 21216, 38208, 38209, 82405
Silva J M F da 85473, 85617
Silva J R da 53885
Silva M 25247, 43019, 43020
Silva M A da 30862, 39562
Silva M D da 75031
Silva M D de 37671
Silva P J V 89760
Silva R L da 48961, 66268, 94092
Silva R L de 42011
Silva S 17965, 78552
Silva W 83313
Silva-Fernandes A M 22405
Silva Guillen R 76312
Silvano C 82328
Silveira A H da 14050
Silveira S M 28920
Silvela Tordesillas F 22525
Silver G T 46661
Silver I A 37151, 54862
Silver W S 18111
Silverberg H D 74432
Silverberg J 10499
Silverberg J M 66890
Silverborg S B 8387, 59054
Silvere A P 29267
Silverman L J 7842
Silverman M 86063
Silverman P H 91248, 91711
Silverthorne K W 34444
Silvestra M de O 74624
Silvestre P 51824
Silvestri A 19566
Silvestri G 22404, 56978, 86618
Silvestru S 71263, 71264
Silvicultural Conference 53295
Silvy-Leligois P 71123, 79072
Sima P 62249
Simak M 10782, 10788, 33693, 61949
Simakin A I 69308
Simakov V N 70643
Simancik F 71265
Simanton W A 12593, 37720, 46589, 55514
Simao S 77702, 77703, 78712
Simard J 33126, 33310
Simard T 15943, 24347, 33126, 33309, 33310
Simbirtsev N L 92039
Simco J 28877, 55305
Simco J S 55342, 55343, 73118
Simco T F 11916
Sime J R 90375
Simek L 63654
Simeone D H 54378, 63310
Simeone J B 73392
Simeonov S 72047, 73032, 80435
Simes J C 17795, 17796
Simesen B 3190
Simesen M 19846
Simesen M G 4133, 12134, 19910, 36715, 45772, 54427, 91106
Simetskii O A 79901
Simeunovic D 10577
Simic C 72235
Simic T 45864
Simich T M 47771
Simijonovic V 80087
Simionescu A 4772
Simionescu A L 10284
Simionescu C 45067, 48256, 51486, 53655, 53712, 56910, 86988, 86989, 86990
Simionescu I 78958, 78959
Simionescu L 37728
Simionescu N 86988, 86990
Simionesku K I 59104
Simirenko L P 88920
Simison F M 55229
Simitch M M 20240
Simitch T 3965
Simitch T--Cont 28403, 54815, 63068
Simkova A 72482, 72742
Simlote K M 35417
Simmens S C 33735
Simmonds A M 81579
Simmonds D H 22526
Simmonds N W 924, 50803
Simmonds P M 16075
Simmons E A 93899
Simmons E K 13283
Simmons F C 10926, 36112, 53596
Simmons G C 28569, 80318
Simmons J W 43196
Simmons K V 70644
Simmons R J 57509
Simmons R L 30300, 56693, 83736
Simmons R S 64678
Simmons S W 81580
Simmons W M 30929, 57123, 93550
Simms R H 54052
Simmul' G F 59222, 60907
Simo B 12290
Simolkin L N 11530
Simon A de 90569
Simon D L 45887
Simon E 43021, 65647
Simon E M 81321
Simon E W 821
Simon G 38633
Simon H R 5643
Simon J 88298
Simon J L 17369, 69770, 69771, 69772, 69773
Simon L 13152, 66879
Simon M 69676, 77898
Simon M de 27302, 27413, 28154, 28641, 28682, 91305, 91825, 91837, 91884, 91885, 91892, 91904
Simon T 67361, 87216
Simon U 48894, 69606, 69607, 88678
Simon V 43290, 80436
Simon W 38742, 43291, 71694, 88299
Simon W--Cont 89755
Simon F J E 37672, 81708
Simon Freres 83934
Simonart P 93425
Simoncini A 31320, 57246, 84759
Simonds L 58350
Simone G de 57246
Simone M 14112
Simone V de 48116, 48603
Simonella P 11781, 19567
Simonen T 53527
Simonenko V G 55524
Simonett D S 18218
Simongulyan N G 25411, 68612
Simonic A 44871
Simonis W 60177, 87631
Simonneau P 16264, 49990, 50634, 78891
Simonnet H 19568, 19765
Simonoff J G 75768
Simonov I N 40611
Simonova E 69506
Simons D 13224, 13423, 56049
Simons D B 40407
Simons H 36451
Simons J N 81709, 82558, 87965
Simons M D 33311, 50410, 50411, 50412
Simons P J 20264
Simons R D G P 62922
Simons R K 15944
Simonson R W 18219
Simonson W H 52055
Simonyan A A 42303, 87361
Simonyan E G 87362
Simonyan M B 78923
Simonyan M S 89813
Simonyan S A 24348, 50413, 86586
Simonyi E 63260, 72344
Simonzi S 24099
Simpfendorfer K J 10676, 79376
Simpson A W 35693
Simpson B 22157
Simpson C 57567
Simpson C B 12683
Simpson C F 12151, 19569, 28199, 28701, 36736, 46038, 54829
Simpson D M H 18362, 52842
Simpson F W 58706
Simpson G 14097
Simpson G G 21027
Simpson G M 16843
Simpson G W 37669, 55455, 58898
Simpson H 78187
Simpson I G 7676, 15103, 85655
Simpson J 84110
Simpson J E 22158, 65101
Simpson J H 49285
Simpson K 60178
Simpson L 63069
Simpson L A 3781
Simpson M E 28435
Simpson M J A 9493
Simpson R C 86925
Simpson R M 62414
Simpson R R 33127, 50230
Simpson T H 13536, 22935
Simpson W G 77256
Sims C 57124
Sims D E 74904
Sims F M 23490
Sims H J 16718, 35399
Sims H M 3903
Sims J C 93985
Sims J R 70645
Sims M E 32329
Sims R P A 57388
Sims W L 49090, 74113, 89184
Simunic I 92183
Sinadskii Yu V 24349, 41889
Sinah M N 25008
Sincerbox E H 40352
Sinclair C B 50
Sinclair D P 20411, 72878
Sinclair H M 15452
Sinclair J 76973, 76974
Sinclair J B 1239, 24192, 33312, 41890, 50231, 50259, 59180
Sinclair K B 46156
Sinclair R M 10944, 30082, 90363
Sinclair R O 32101
Sinclair V O 32330
Sinclair W B 55546
Sindacato Italiano Veterinari Igienisti 71834

	Item
Sindacato Nazionale Veterinari Dipendenti ed ex Dipendenti dagli Enti Locali	71835
	71836
	79902
Sindelarova K	79859
Sinden J A	2601
Sinden J W	43652
Sindoeredjo R S	27857
Sindoni M	54009
Sine C A	6624
Sine L	70818
Sineaghin I I	23208
Sinell H J	31262
	48720
	57247
	75407
	84639
	84760
	86214
Sinel'nikov Yu	89217
Sinelobov M A	2956
Sinel'shchikov R G	18817
	53241
Sinel'shchikov V A	63864
Sinel'shchikova Z I	35835
Sinenko S A	37596
Sineshchekov A D	45675
Singapore Chamber of Commerce	94000
Singapore Ministry of Finance Div of Commerce and Industry	44587
Singer B	87013
Singer G	13169
	64812
Singer H	19223
Singer P S	94784
Singer R	33005
	34932
Singer R H	90624
Singh A	7632
	9151
	18363
	19911
	20322
	27438
	50414
	52918
Singh A P	41454
	42828
Singh B	8533
	12648
	15865
	16387
	29156
	41531
	61846
	77959
	93939
Singh B K	90872
Singh B N	18364
Singh B P	34024
Singh C	70870
Singh C M	36638
	37077
Singh D	8843
Singh D--Cont	18355
	33723
	34375
	42304
	58198
	59619
	60179
	83593
	88921
	92035
	94439
Singh D J C	78219
Singh D N	55458
Singh G	9438
	10423
	15104
	18365
	40276
	77899
	78713
	80498
	87966
Singh G B	80041
Singh G D	25474
Singh G N	35532
Singh G P	59055
	70393
Singh G S	34525
Singh H	1655
	10285
	43321
	60908
	77982
	92214
	94440
Singh H B	34445
	58707
Singh H G	1487
Singh H K	25474
Singh H M	77704
Singh H P	2336
	18355
	44112
	57568
Singh H S	94441
Singh J	18365
	19310
	39695
	61804
	71569
	82062
Singh J N	51345
	87967
Singh J P	34167
	34168
	88967
	89368
Singh J R	69032
	69033
Singh J S	59263
Singh K	619
	60180
	62192
	71568
Singh K K	9011
	9439
	60676
	70646
	85665
Singh K P	24740
	34517
Singh K S	27439
Singh K V	28702
	37404
	62465
Singh L	75354
	83441
Singh L B	1240
	42829
	48471
	78079
Singh M	17261
	25848
	32210
	35321
	35376
	35424
	51563
	51689
	52821
	52829
	60181
	70646
	78892
Singh M M	2911
	14622
	22527
	22845
Singh M P	35400
	47905
Singh M V	55265
	92479
Singh N	69252
Singh N N	28919
Singh P	23339
	25848
	41580
Singh P P	9312
	58198
Singh R	128
	7103
Singh R D	77017
Singh R K	15277
Singh R L	42830
Singh R M	35532
Singh R N	8811
	34169
	34170
	42305
	42831
	88879
Singh R P	17261
	33394
	34168
	35317
	51640
	88346
Singh R S	3569
Singh S	489
	2836
	5151
	10423
	15851
	16387
	40276
	46756
	55228
	55617
	55638
	70646
	73522
	79970
Singh S--Cont	82498
	85746
	87968
Singh S B	11447
	90873
	90874
Singh S M	16347
	16578
	34623
	46590
Singh S N	822
	19758
	42306
	50141
Singh S P	1241
	33724
	42307
	42362
	43022
	69034
Singh T	5035
Singh T K S	50142
Singh U B	41592
	87969
Singh U R	42832
Singh U S	85665
Singh V	32716
Singh V B	32891
Singh V P	823
Singh-Dhaliwal T	9152
	52363
Singha K N	17858
Single W V	8388
Singletary C B	11406
Singleton A G	20412
	63517
Singleton C B	76313
	85247
Singleton J A	93369
Singleton O V	43115
	43148
	51690
Singleton P C	2290
	78622
	78714
Singleton R W	14007
Singleton T E	63327
Singleton V L	47869
	74625
Singleton W B	91249
Singleton W R	3740
	42429
Singleton W S	7074
Singley M E	56315
	64797
Singsen E P	11912
	19417
	72570
	72571
Singur G N	85070
Sinha B	14008
Sinha B D	80770
Sinha B K	32005
Sinha B M B	50792
Sinha H	16719
Sinha K S	35400
Sinha M M	56715
Sinha M P	85442
Sinha P K	11944
	11945
	33595
Sinha P K--Cont	42308
Sinha R C	20745
	91989
Sinha R L	10677
Sinha R N	12617
	20789
	48582
	81857
Sinha S B	10512
Sinha S D	78528
Sinha S K	19940
	34171
	53867
Sinha S P	93741
Sinha S S P	20769
	81429
Sinha V P	55363
	92050
Sinitsyn K	22159
Sinitsyn M M	3018
Sinitsyna N S	1678
Siniuchin A	69035
Sin'kevich M S	18864
	19004
	19005
	90232
Sin'kov I	47329
Sinkovics M	68370
Sin'kovskii L P	43292
	60579
Sin'kovskii L P--Cont	69608
Sinnamon H I	65494
Sinnhuber R O	40234
	83369
	85130
Sinoda M	93607
Sinreich A	12644
	20912
	29163
	94861
Sinskaya E N	15672
	32851
	33725
	43293
Sinuhins A	87970
Sinyaeva A A	55002
Sinyagin I	25364
Sinyagin I I	9539
	79714
	87971
Sinyavskii V N	92896
Sinyukhin A M	16621
	59901
	87972
Sio L	27646
Sioli H	26178
Sipachev S	56296
Sipachev S G	54222
Sipavichute-Butkevichene A A	54223
Sipila M	21631
	23676
Sipka M	19912
	83798
	91107
Sipkes C	172
Sipos C	34389
	34406
	43091
	43106
Sipos E	14503

	Item
Sipos G	1437
	42488
	44318
	60602
	78715
Sipos S	52891
	61474
Sippell W L	64112
Sipple L	40202
Siqueira C S	45758
Sirait M	43023
Sirakov Kh	35649
Sirakow G	18818
Sirbu E	27563
	36905
Sircar S M	25112
	34172
	42833
	51346
Sirchis J	34328
Sirekanyan R V	83051
Siren M J	63328
Sirenko A	75355
Sirenko V	50388
Sirgo W	88189
Siriez H	41131
	50232
	54870
Siriproma S	25849
Sirmon E	81117
Sirny R J	3848
	3353
	3880
	20152
	37202
	63425
	63426
	72510
	79697
Sirois D	16556
	16557
Sirois J C	2138
Sironval C	51347
	51927
	59825
	69036
	69037
	88228
Sirot W	6800
Sirota L B	59992
Sirotenko A A	22914
	34173
	87804
Sirotenko M P	79788
Sirotin K S	79466
Sirotin Yu P	35401
Sirotina M I	12510
Sirotinin A A	19913
Sirotov V I	53529
Sirry I	30595
Sirur S S	61649
	78981
Sisakyan N M	13668
	16962
	16963
	34174
	42989
	73511
	88229
Sisam J W B	18660
Siscov N	80800
Sisetskii E V	14623
Sisk L R	45501
Sisk L R--Cont	45502
Cont	72033
Sisler H D	51223
Sissingh G	695
Sissingh H A	34175
	61173
Sisson D R	2496
	78893
Sisson R L	46570
Sisson V	82381
Sisto A M	91990
Sistrunk W A	35507
	39713
	88925
Sitarama M	65333
Sitaraman N L	55331
	55344
Sitaryan S A	57714
Siteck E	52789
Sites J W	35402
	59817
	59818
	61439
Sitnik L A	89756
Sitnikov A P	13306
	73993
Sitnikov G S	64759
Sitnikov I E	62021
Sitnikova A S	69038
	69039
	70647
Sitnikova L G	55704
Sitnikova M M	11448
Sitnikova O A	69040
Sitte P	824
	42834
	68371
	71573
	77405
	87363
Sitterley J H	5712
	7675
	85477
Sittner G	79639
Sitton B	56694
Sitton B G	16022
Siuta J	10131
	10132
	26179
	52672
	70299
	78535
	89612
	89960
Sivagnanam L	1242
	9399
	24654
	25334
	43153
	88446
Sivaraman M S	61440
	66585
	85432
Sivasamban M A	6694
	7104
	30965
Sivasubramaniam T	31890
Sivasubramaniam V	29048
Sivel R F	81581
Siverd C D	40872
Sivers H	5775
Siverson G	19221
Sivertsen J	53625
Sivetz M	13669
	21974
	21975
	30423
	30424
	65337
Sivieri A G	65109
	66013
	76607
Sivkov K V	67256
Sivolap I I	94228
Sivolap I K	67125
Siwicki S	70648
	74050
Six E	69041
Sixma D	56612
Sizaret P	19570
Sizemore W R	53242
Sizer L	58119
Sizonov P K	63671
	63672
Sizov G F	93797
Sizov I A	51725
	51726
	87973
Sizova A V	90552
Sizova T P	2159
Sjaastad L	57778
Sjaastad L A	31671
	32136
Sjöbeck M	60580
Sjoberg O	38115
Sjoblom P	53216
Sjogren E	16265
Sjollema P	71837
Sjolte J P	49830
Sjors H	16266
	42160
Sjöstedt S	10530
Sjostrom G	83801
Skaare S	25484
	51609
Skachkov I A	18400
	88300
	90283
Skachkova Z A	12722
Skagami S F	82644
Skaggs S R	19755
Skaife S H	29613
	82645
Skakum W	30135
	75496
Skalecka H	42653
Skalinskii E I	46039
	63070
	63329
	63488
Skalka B	63673
Skaller F	14545
	63219
Skalnik V	41557
Skalska E	70087
	78716
Skaluba Z	92985
Skaluba Z M	74315
Skalweit H	38776
	74235
	74238
	92944
Skaptason J S	80185
	81582
Skara Frokontrollanstalten	40151
Skaraborgs Lans Hushallningssallskap	32509
Skarby R	53207
Skard T	49831
Skarda M	70934
Skardal O	32145
Skaren U	28894
Skarlygina M D	68188
Skårman S	12185
	12186
	30863
	46109
Skarzynski B	84898
Skatkin P N	62265
	62269
Skau C M	10914
	90284
Skau E L	7027
	40065
Skazkin F D	9153
	9154
Skazkin S D	66364
Skean J D	6236
	30532
Skeie O	6190
Skekhov A G	87217
Skellenger M M	14407
Skelley J F	11767
	63056
Skellon J H	75595
Skelton B J	42835
Skelton K D	38600
Skelton S	23677
	40115
Skelton S T	7225
Skelton W E	66987
Skene J K M	26180
	44272
Skepper A H	15924
Skerman K D	62697
	91727
Skerrett E J	48338
	86926
Skertchly A	65648
Skewes A R	45674
Skiadaressis R M	57288
Skibbe B	31891
Skidmore P	73703
	82100
Skierska B	29510
Skinner B F	5372
	82685
Skinner C G	34176
	88151
Skinner D B	173
Skinner E	5327
Skinner H H	54010
Skinner H T	58549
Skinner J C	25520
	25521
Skinner J D	27664
Skinner J E	4566
Skinner J L	66146
Skinner J N	14009
Skinner P E	3417
Skinner R W	55644
Skinner S O	25940
	35403
Skinner S W	66586
Skipin A I	75596
Skirde W	1387
	9509
	69042
Skirde W--Cont	88679
Skirgiel-Jacewicz A	10293
Skirgiello A	33006
	33007
Skjaerris J	27440
Skjerven O	3628
	11730
Skjervold H	36452
	36453
Skjeseth K	63674
Skjlmerud H	35979
Skjoervold H	6396
Sklenar J	46186
Skobei V V	62050
Skobets E M	52458
	70300
Skoczylas A	72793
	72896
Skoda R	11224
	11348
	62466
	72236
	79843
	79959
	91108
Skodowski B	75356
Skogen H	37405
Skogley C R	1963
	17658
	17779
	17797
	20858
	52167
	52285
	52299
Skogley R C	52056
Skoglund W C	54816
	91380
Skogsholm A	39639
Skok J	1243
	34177
Skok R A	2580
	10985
	36113
	53163
Skold B H	4285
Skoldenberg P G	56834
Skoldin G	25850
Skolko A J	15569
	16076
	41891
Skolmen R G	18661
	53555
Skol'nik M Ya	87974
Skomroch W	66701
Skoog F	9308
	16732
	88075
Skoog H	51796
Skoog H A	60616
Skopek S	85884
Skopik P	84512
Skopina V	15105
Skoric A	35256
Skoric M	62698
Skorik I	12222
Skorik I T	91938
Skorikova N	3450
Skorikova O A	12589
Skorkowski E	3754
	54073
	54660

	Item
Skorkowski E--Cont	63182
	72423
Skorobogatov Yu	91627
Skorobogatykh N N	62699
	72063
Skorodumov A S	26598
Skorodumova A M	56617
Skorokhid V I	36716
Skoropad W P	67923
Skoropanov S G	15153
	44432
Skorovarov M	75357
Skorski A	74316
Skosyreva K N	89885
Skotland C B	582
Skou J P	16081
Skov O	52812
Skov S E	6316
Skovbaek J	58070
Skovgaard N	56416
	57248
Skovsted A	15570
Skowronski Z	19843
	72165
Skrabanek R L	32137
	40520
	85813
Skrabka T	18294
Skrdleta V	44057
Skrebtsov M F	37443
Skrigan A I	90423
	90456
Skrinde R T	28770
Skripchinskii V V	59620
Skripka M A	16226
Skripkin S P	58899
Skripnik Ya P	27287
Skripov N I	62051
Skrobal D	29187
Skrobisz H	64798
Skrodzki E	37597
Skryabin K I	71838
	79903
Skrynnik N	13258
Skrynnikova I N	35250
Skrypnik E I	80882
Skrzynski T	74161
Skrzypek M	90944
Skubis M	55345
Skudnaya O D	69985
Skugravy V	12749
Skuhrava M	12899
Skuhravy V	21028
Skukla O P	8160
Skulmowski J	51208
	79904
	83979
Skult H	33554
Skupinska J	77705
Skuratowicz W	73577
Skurikhin I M	13654
	56575
Skurska Z	79872
Skurygina N A	69418
Skusek F	80293
	80294
Skvarla J J	24600
Skvortsov A K	174
	15704
Skvortsov A K--Cont	16388
	24020
	41455
Skvortsov F	40019
Skvortsov I V	15945
Skvortsov V A	55048
Skvortsov V S	36216
Skvortsova A A	54224
Skvortsova A V	69017
Skvortsova I G	59641
Skvortsova L S	70153
Skyrme H P	54430
Skyrta O M	12277
Skytte K	14917
	23209
Slabodnik M	81858
Slaby A	56205
Slack A V	26638
Slack S T	72064
Slade D A	15946
	73245
Slade F H	21901
	39075
	47804
	57311
	65241
Slade G H	17523
	24021
	25776
Sladecek V	58763
Sladeckova A	58763
Sladki E	73026
Sladkoshtiev N M	54817
Sladkov A N	42309
	68372
	68373
	68374
Sladky V	56253
	74239
	83213
Slagle G E	58509
Slagsvold P	39319
	62700
Slakovic S	36223
Slama K	4895
	29259
	29547
	29614
	29615
	53953
	62428
Slama O	90069
Slameckova M	21236
	46953
Slanetz L W	80437
Slanina L	90711
Slankis V	51348
	60352
Slappey G A	15138
	22528
	39453
	49900
	52708
	76203
Slastikhin V V	2370
Slate D M	66482
Slate G L	9676
	17405
	69788
Slater C A	22732
Slater C H W	69705
Slater E C	46968
Slater I G	5798
	13153
Slater J A	21305
	21306
	21307
	21308
	38339
	38340
	92516
Slater Sir W	7543
	7544
	7545
	23210
	32573
	67163
Slatin B	11046
	19276
	36077
Slatter E E	83980
Slattery F M	17524
Slatyer R O	16720
	23827
	49977
	59327
	60182
	60208
	77706
	87502
Slaughter T S	3191
	27858
Slavchev G	63423
	90712
Slave T	93222
	93243
Slavekoorde S M	490
	491
	492
	493
	494
	495
	531
Slavescu E	90848
	91758
Slavica M	81029
	81091
	81130
Slavickova A	93566
Slavik I	2930
Slavik J	25248
	25249
Slavik K	87959
Slavikova L	25248
Slavin J W	57618
Slavin R M	5890
	13357
	21558
	47557
	83249
	92945
Slavkina T I	44739
	60833
Slavkov I	90713
	90714
	90715
	91544
Slavova-Petrunova S	87660
Slavyanskii A K	53672
	79596
Slay W O	31191
Slayman C L	60183
Slayman C W	60183
Slebiska E R	30098
Sledge E B	42080
Sledge W A	67530
	67531
Slee J	53541
	54877
	80985
Sleeman J R	78276
Sleesman J P	4654
	4668
	12525
	12526
	29051
Sleeth B	8608
	9155
	33253
	59181
Sleigh L M	33492
Sleight S D	79905
Slen S B	37178
	37203
	57233
	80132
	81134
Slepecky R A	38509
Slepicka J	43258
Sleptsov M K	62911
Slepyan E I	8389
	12900
	21029
	29268
	38238
	82101
Slesarev I K	72065
Slesareva E N	45334
	54225
	62912
Slesinger L	54428
	62620
	63071
	80576
Sleumer H	32852
	32853
	32854
Slezak D	62768
Slezic M	54011
Sleznick J	67511
Slife F W	9913
	25113
	25912
	35011
	60961
Slifer E H	12750
	46691
Slifkin M K	41892
Slijcken A van	34526
	59328
	60581
	60582
Sliker A	36015
Slinger S J	3872
	11917
	28218
	45936
	45937
	45938
	45939
	72533
	72534
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Slotboom H J	88033
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Slover J de	42836

	Item
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Sludskaya A I	46091
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Slykhuis J T	33413
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Smagulov G	84593
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	Item
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Smeds H	7715
Smedt A de	52140
Smeets H J	13670
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	Item
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	Item
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	Item
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	Item
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Sociedade Nacional de Agricultura (Brazil) Escola de Horticultura "Wenceslao Bello" 94690
Societa Italiana delle Scienze Veterinarie 79909
Societa Italiana di Genetica Agraria 46763
Societa Italiana di Parassitologia 3194
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Societa Orticola Italiana 9770
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Societe Centrale Canine 19980
Societe d'Histoire Naturelle de l'Afrique du Nord 91943
Societe Forestiere de Franche-Comte et des Provinces de l'Est 18662
Societe Haut-Rhinoise d'Economie Vosgienne 65008
Societe Royale d'Entomologie de Belgique 81359
Societe Royale Le Cheval de Trait Belge 63126
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Societe Veterinaire Pratique de France 45339 45340
Society for Experimental Biology 41132
Society for General Microbiology 67164
Society for the Protection of New Hampshire Forests 18703
Society of American Bacteriologists 15515
Society of American Foresters 26688 26689 35628 44565
Allegheny Sect Silviculture Committee 35837
Columbia River Sect Water Management Committee 18245
New York Sect Committee on Insects and Diseases 8391 58901 92245
Seed Certification Subcommittee 53415
Society of Biological Chemists (India) 8005
Society of Border Leicester Sheep Breeders 4067 72796
Society of Chemical Industry 23760
Food Group 13558
London Microbiology Group 65338
Society of Dairy Technology 13708 39251
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Soekawa M 28703 55124

	Item
Soemardjan S	66812
Soemarno K	94001
Soenen A	50150
Soeparmo H T	55348
Soepraptohardjo M	18157 61300
Soer B	13154
Soeratno	36332 37094
Soerensen B	37165
Soerjobroto W	86708
Soest J L van	2814 24022 24023 32859
Soest W van	25851 43358 60910
Soet F de	44433 85445 85766 85887
Sofelinov L	36114 45120
Soffe R	65020
Soffner J	37995
Sofiev E S	40642
Sofinskii A M	25942
Sofrenovic D	55125
Sofronyuk L P	94072
Sogandares-Bernal F	20059
Sogn og Fjordane Landbruksselskap	76689
Sogo M	71591 90457
Sogomonyan S	42194
Sogomonyan S A	43150 87364 88232
Sogoyan R Ya	51997
Soh C T	49674
Sohi H S	413
Sohl W W	49860
Sohma K	51 52 53 54
Söhne W	21599 74051
Sohns V E	7029
Sohonie K	23695 34264 39635 39636
Soica V	88650
Soika A G SEE Giordani-Soika A	
Soil and Crop Science Society of Florida	17866
Soil Fertility and Plant Nutrition Short Course	26338
Sojak J	50081
Sojka E	16617 69050
Sojka W J	11998 73027
Sokal R R	4898 46764 46765 50082 55903 73760
Sokhadze E V	59331
Sokhadze M A	92669
Sokhadze M E	59331
Sokol A	91728
Sokol F	37095
Sokol H A	57169
Sokol J	91251 91821
Sokol P	14189
Sokol P E	48227
Sokolić A	79860
Sokolov A	12292 25852
Sokolov A A	44114
Sokolov A I	78896
Sokolov A V	18612 51353 57972 78270
Sokolov B	69420
Sokolov B P	51691 88434
Sokolov F A	26377
Sokolov G A	7286 57951
Sokolov I	14919
Sokolov I I	4068 82197
Sokolov N	14797 15032 76206 88820
Sokolov N I	91111
Sokolov N N	16424
Sokolov N S	89377
Sokolov P D	75809
Sokolov P Kh	10091
Sokolov S I	89613
Sokolov S Ya	89044
Sokolov V A	8146 8162
Sokolov V M	66733 70649
Sokolov V S	34183 44274 61031 70154
Sokolov Yu A	54197
Sokolova A A	62144 62174
Sokolova E A	70387
Sokolova E P	68827
Sokolova I B	11222
Sokolova L I	44843 90135
Sokolova M N	53672
Sokolova N A	43272
Sokolova S M	42840 60187 60188
Sokolova T M	86709
Sokolova V E	86928
Sokolova V I	18374 37096 54817
Sokolova V N	79551
Sokolova-Domanskaya N P	50716 86661
Sokolovskaya I I	27223 80439
Sokolovskaya T I	92185
Sokolowski A W	16268 49869
Sokolowski J H	28522
Sokol'skii D P	76803
Sokol'skii D P--Cont	86276
Sol H H	77255
Sol R	8366
Solac R B	19916
Solano J A	85943
Solano R	29207
Solar O E del	29442
Solares L	62527
Solarski H	89886
Solberg E D	58096
Solberg P	6317 91167
Solberg R A	42033 67924 87077
Solbraa A	22530
Solbraa T	44649
Solbrig O T	15802
Soldado O D	22009 56618
Soldatenkov S V	25115
Soldati R	75399 84899
Soldatkin I S	20678
Soldatov K I	43151
Soldatova E	54496
Soldatova R E	72379
Soldberg P	60584
Soldea I	52911
Soleil Z	440 86857
Solem R	57779
Soler M	20163
Solere M	48816
Soléymani P	71605
Solignat G	77180
Soliman G	69166
Solinas M	21151
Solis J A	45341 45342
Soljanik I	26599 26966 71267 79092 79348
Sollars W F	22531
Sollen P	3772 27699
Sollers H	4568 29512 55349 81586
Sollers-Riedel H	81587
Solli S	11048 18762 35661 53217 53416
Sollie C R	85821
Sollin W	65696
Sollogub A A	14624
Solly S R B	4523
Solntseva E L	73910
Solntseva G	12292
Solntseva Z	56810
Solodovnik M G	24351
Solodovnik P S	55528
Solodovnikova O I	55841
Solodukhin E D	42162 44740
Solomakhin A	82988
Solomkin P S	4023 28704 36333 37166
Solomkin P S--Cont	81323 91905
Solomko V	2588
Solomon B	48758
Solomon J	55527
Solomon J D	12997 55942 55977
Solomon J J	19917
Solomon M E	73579
Solomon S	17118 20091
Solonina E A	59588
Solonina M L	45879
Solonina T	72484
Solorzano R F	27782
Solotarev E	1507 88435
Solotchin I	91670
Solotorovsky M	281
Solovei F M	9914 13208 83058
Solovei M Ya	73028 73029
Soloveichik L L	55350
Solov'ev A V	7363 14681
Solov'ev B	39863
Solov'ev B F	17085 17086 25365 51692
Solov'ev D	94399
Solov'ev F A	2862
Solov'ev G	28337
Solov'ev G M	60189
Solov'ev P E	43979 89444
Solov'ev S	7372 30881
Solov'ev S I	3495 36625 53887
Solov'ev V A	18543
Solov'ev V M	92854
Solov'ev V O	67363
Solov'ev V P	42841
Solov'eva A I	16078 16079 24352
Solov'eva G A	86928
Solov'eva N K	89560
Solov'eva N M	34864
Solov'eva N V	92291
Solov'eva T	11194 90554
Solov'eva T F	51693
Solov'eva V M	88798
Solov'eva Yu P	75350
Solov'eva-Troitskaya E A	87960
Solovtsova T A	85749
Solov'yanenko A I	59623 61442
Soloway S B	4436 63778
Solozhenikina T N	12636
Solt M L	1389
Soltan M	85270
Soltanovskaya G	25853
Soltas S	53056
Soltay S	47558
Solterbeck H W	30682 83935
Soltesz J	61576
Söltoft W	58552
Soltys A	80577
Soltys M A	36441 54013
Solun A	90555
Solun A S	37341 86215
Solyanik G M	25116 87982
Solyanko G	88436
Solymos R	18866 35743
Solymosy F	87078 92115
Som R K	66880
Soma E	14167
Soma K	68214
Somaatmadja D	47798
Soman P N	24438 40194
Soman P W	73140
Soman R	51564
Somasundaram A	34565
Someno K	15760
Somer P de	63279
Someren C L van	44434
Someren E C C van	21257
Someren V G L van	73851
Somerhalder B R	78897
Somermaa K	29040
Somers E	59056 77711
Somers I I	83524
Somers L	17408
Somes H A	2681
Sominskii V S	71590
Sommain G de	45343 54014 80655
Somme L	4569 73119
Sommer H	65720
Sommer H G	2633 53243
Sommer J	7442 31225 72345
Sommer N F	9158 14170 16723 50806 57099 75170
Sommer O A	36455 36456
Sommerau T	23301
Sommerfeld K	69310
Sommerfeld W	28175
Sommerfeldt T G	52557
Sommerkamp G	34527 40613 45526 65009 65049 79716
Sommerman K M	46961 82430 92470
Sommers E	67900
Somogyi A	3875
Somogyi J C	31413 41063
Somogyvari V	25366

	Item
Somos A	1898
	1899
	26339
	30101
	69051
	69052
	76746
	87983
Sompolinsky D	28496
Sompongse V	78170
Somsen R A	90424
Somska E	94499
Son C K	63331
Son G van	82792
Sonachalam K S	94563
Sondel J	7677
	8392
Sonderegger H	11531
	74160
Sondergaard E	67084
Sondergaard H	71659
Jondern J A	1736
	18544
Sondhi D N	20304
Sondhi K C	38239
	55821
	73704
Sone T	21787
Sonenshine D E	82198
Song C S	49674
Song K W	77438
Songkram Y K	25594
Sonheimer E	77256
Soni R C	15154
Sonleitner F J	5038
Sonlyo F	60991
Sonmor L G	52999
Sonnad G R	67559
Sonnemann T	14682
	23576
	66587
Sonnen F J	13318
	38778
	56254
	56255
	56256
	83214
Sonnenfeld M	34184
	34185
Sonnenmann T	93082
Sonneveld C	56152
Sonneveld W	93325
Sonnichsen H V	45841
Sonnier A	3403
	36522
Sonnier E A	25367
	69421
Sonntag N O V	22699
Sonntag S	13169
	38642
Sonomura M	29859
Soo R	23926
	50636
	86508
Sood N D	7105
Sood V K	31405
	75583
Sookne A M	56873
	56880
Soong P	1245
	3876
Soopatep P	29016
Soos A	29561
	46962
	64457
Soos L	72965
Soos P	29860
Soos T	61208
Soost R K	58894
	60677
	88870
Sooter C A	55258
Sopanen R	19233
Sopel'chenko M	72881
Soper J H	177
Soper M H R	38828
	58431
Soper Q F	17638
	17639
Soper R J	44275
	52573
Sopkowska J	89220
Sopp L	10648
	44699
	79172
Sor K	70171
	70222
Soraci F A	81434
Soran V	41302
Sorbi U	40728
	47711
	49006
	66031
	84663
Sordkin M I	352
Sorel P	11449
	45425
Sorenkov I G	49179
Sorensen A	9630
	38634
Sorensen C	18038
	69053
Sorensen D K	90717
	91709
Sorensen E L	20751
	25048
Sorensen F	57619
Sorensen H	35214
Sorensen H B	15159
	22314
	22378
	30930
	60695
Sorensen J	54433
Sorensen N A	34287
Sorensen P H	45507
	63676
	81345
Sorenson A L	79910
Sorenson C	14301
Sorenson C E W	46631
Sorenson J W	13393
	19759
	56190
	56200
	56201
Sorg E	35682
Sorge P	25670
Sorgel G	33009
Sorgel P	13155
Soria J	8393
	9969
Soria V J	178
Soriano A	60190
Soriano J D	927
Soriano P M	52785
Soriano Llovet A	27497
Sorin M	55868
	92517
	92518
Sorkin M	57187
Sorm F	25206
	88198
Sorman L	6640
Sòrnay J	45006
Sornicle J	37273
Soroa y Pineda J M de	31414
Sorochenkov A F	88681
Sorodoc G	72225
	73030
Sorogovets P E	71124
Soroka A	13487
	47769
	94442
Soroka E I	88968
Soroka Z	23302
Sorokin C	16724
	25117
	51154
Sorokin H P	68377
	76890
Sorokin I S	71550
Sorokin M I	69609
Sorokin S V	19083
Sorokin T P	60361
Sorokin V D	60585
Sorokin Yu I	87984
Sorokina A S	12142
Sorokina O N	33727
Sorokina T A	70917
Sorrentino L	68676
Sorteberg A	18367
	53343
	89762
Sortino A	93798
Sosa A	77821
Sosa-Bourdouil C	77712
Soschin N	83632
Sosedov N I	65915
Sosedov P O	11401
Soselia E D	42168
Sosin N A	70088
Sosipatrov G V	20532
	37406
Soskin A A	72797
Soskin S	94691
Sosna Z	8616
Sosnick S H	30205
	94123
Sosnin A E	62216
Sosnina M A	15947
Sosnina M F	73580
Sosnowski A	72386
Soss J	90104
Sossountzov I	16726
Sossountzov L	60191
Sosulski F W	93743
Sosunova Z L	9400
Sota E R de la	15825
	16389
Sotavalta O	5492
	29729
	46963
Soth L	57780
	85446
Sotiriu E	81072
Sotnikov M I	71815
Soto B	16909
Soto Aguayo J	17241
Soto Rodriguez E	90511
Sotomayor R	28922
Soubies L	33874
	61443
Soubies L--Cont	78341
	89498
Soucek J	87959
Souček V	34607
Soucheleau G	20305
Sougnez N	16238
Souilijaert M	48304
Soukup J	44276
	50083
Soukup O	22992
	66425
Soulati J	5929
	88108
Soulet M	40322
Soulides D A	70386
	89551
Soulie J	5322
	38402
	38403
	82598
Souliotis M C	37742
	64016
	64017
Soulsby E J L	11225
	54015
Soumar R B	85447
Soundrapandian G	9159
Sourelis S G	75563
Sousa E P de	32720
	67399
Sousa L do C	37415
Sousa R G de	32951
Souster J	25779
Soutar D S	13345
South R	47193
South African Council for Scientific and Industrial Research	86059
South African Lumber Millers' and Shook Manufacturers' Association	79504
South African Public Library Capetown	94332
South African Republic SEE Republic of South Agrica	
South African Sugar Technologists' Association	85071
South African Veterinary Medical Association	19574
	36334
South African Wool Commission	22266
	30867
	65651
	75032
South African Wool Textile Research Institute	84112
South Atlantic Wood Pole Conference	62125
South Australia Dept of Lands Land Development Br	85675
South Australia Dried Fruits Board	22438
South Australia Woods and Forests Dept	18704
South Carolina Dept of Agriculture	14920
	22921
South Carolina State Commission of Forestry	90037
South Dakota Academy of Science	32609
	58383
South Dakota Dept of Agriculture	49769
South Dakota State Horticultural Society	17291
South Dakota State Weed Board	9915
South Devon Flock Book Association	20334
South Devon Herd Book Society	36457
South Island Dairy Association	6278
	93348
South London Entomological and Natural History Society	63706
South Pacific Commission	32510
	94733
South Puerto Rico Sugar Co	85072
South West Africa Dairy Industry Control Board	93287
Southcott R V	4955
	38056
Southcott W H	4149
	54970
	80969
Southdown Sheep Society of New Zealand	80987
Southeastern Pecan Growers Association	1748
Southeastern Seminar on Atomic Progress in Agriculture Clemson S C	49770
Southeastern Turfgrass Conference	25780
Southern J H	31724
	41013
	76566
Southern W	49503
	85888
Southern California Camellia Society	43548
Southern California Floral Association	14656
	66302
	66303
Southern Conference on Forest Tree Improvement	61953
Southern Corn Improvement Conference	1509
	88437
Southern Farm Management Extension Committee	89946

	Item
Southern Hardwood Producers	35996
Southern Pasture and Forage Crop Improvement Conference	25486
Southern Rhodesia Dairy Marketing Board	47975
Southern Rhodesia Irrigation Dept	10425
Southern Rhodesia Land Settlement Board	7686
Southern St Lawrence Forest Protective Association	44881
Southern Weed Conference	43810
	52302
Southey J F	620
	77291
Southgate B J	5039
Southin J L	55772
Southwell B L	3376
	9457
	19730
Southwestern Social Science Association Agricultural Economics Sect	75843
	85174
Southwick F W	78080
Southwick L	70089
Southwood T R E	5152
	5166
	5241
	12511
	12941
	29562
	55725
	73533
	73534
Southworth J W	25943
Soutinho H	78717
Souty J	43423
Souza D N	75597
Souza H D	89378
Souza J A G C	89252
Souza M A	37490
	37584
	37586
Souza M A de	21216
	82406
Souza R G de	32946
Sova Z	63168
	80578
Sovadina M	84716
Sovershaev P F	61954
	78302
Soveshchanie po Ispol'zovaniyu i Obogashcheniyu Kaliinykh Solei Belorussii	89929
Soveshchanie po Morfogenezu Rastenii	59624
Soveshchanie po Otdalennoi Gibridizatsii Rastenii i Zhivotnykh	24757
Soveshchaniye po Parazitologicheskim Problemam i Prirodnoochagovym Boleznyam	37599
Sovetkina V E	60911
	60912
Sovetov P V	66813
Sovljanski B	20453
Sovrani A	32008
Sovzenko T K	83686
Sowa D M	19151
	19156
Sowa E	2763
Sowa R	32860
Sowa T	75486
Sowa W	1510
Sowder A M	2980
	36115
Sowell G	24100
Sowinski J	14302
Sowter F A	58432
Soyeur J	61670
Soyrinki N	67365
	68190
Sozialistische Arbeitsgemeinschaft Cyclamen	34827
Sozialistische Einheitspartei Deutschlands Zentralkomitee Abetilung Propaganda	94443
Sozinov A A	75700
Sozinov B F	7634
Sozonov Yu	37274
Sozzi T	83800
Spaar D	85436
	94960
Spacek F	28229
	72574
	72693
	72744
	91464
Spacek J	50156
Spacic L	79073
Spadaro J J	6821
	7106
	22515
	48751
Spadiut H	11680
	62914
Spaeth D H	75844
Spahr S L	80188
Spain G E	7107
	17233
	25368
Spain G L	16390
Spain J M	18039
Spain Consejo Superior de Investigaciones Cientificas	32675
Spain Direccion General de Aduanas	76567
Spain Direccion General de Coordinacion Credito y Capacitacion Agraria	66588
Spain Direccion General de Montes	35662
Spain Instituto Nacional de Estadistica	74565
Spain Ministerio de Agricultura	56521
Serv de Estadistica	65652
	83951
	84769
Spain Serv de Extension Agricola	15278
Spain Serv de la Madera	2889
Spain Serv del Lino	6579
Spain Serv Meteorológico Nacional	49771
Spais A G	79717
Spalatin J	19575
	54016
Spalding G H	69876
Spalding R W	72285
Spaldon E	43654
	88488
Spangenberg D	21560
Spangenberg R	46248
	63644
	73175
Spangler P J	46894
	46895
	55757
	64382
	82331
	82332
Spanier J	1610
Spanik V	24439
Spanis W C	67924
Spanjersberg G	87985
Spannagel G	18112
Spanner D C	77713
Spano B	78961
Spanovskaya V D	12753
Spanyár P	56358
	65096
	66081
	93853
Sparapani G C	3572
Spare C G	22341
Sparkes C H	66259
Sparks A N	28952
	46430
	46431
Sparks W C	60872
Sparks W R	83374
Sparks W T	3629
Sparmann G	25250
Sparre F D	41133
Sparrow A H	758
	42260
	42431
	42842
	51354
	68419
Sparrow D H B	57176
Sparrow F K	8311
	8312
	8535
	16080
Sparrow L G	25187
Sparrow R C	51354
Sparrow W B	37610
	63474
Spasic I	54971
Spasov N	19007
Spasov Ts	87986
Spasskii A A	19428
Spassky N P	38175
Spatz L	14798
Spaulding I A	49442
Spaulding P	363
Spaull H	15337
	15338
Speake D W	19081
Speaker T J	9313
Speakman J B	14018
Spear A	3630
Spearin J M	58137
Spearing J E	55232
Spearing J K	24656
Spears J F	621
	68079
Spears M H	66439
Specht G	34528
	43152
	69422
	88438
Specht L	3291
Specht R L	33557
	33558
Speck E P	80397
Speck M L	13872
	30683
	48110
	74692
	74745
Speckmann E W	11999
	46041
Spector U	71840
Spedding C R W	27233
Spedding H	48191
Speer J	45020
Speer V C	12200
	12224
	37314
	37338
	56272
Speers C F	37764
Speggers C	32404
Spehar V	86929
Speidel B	50637
	88682
Speidel G	35629
Speidel R	63707
Speight J	31192
	39865
	48564
	57188
	75358
Speights D E	9841
	10290
	26340
	78718
Speinle X	74832
Speirs R D	81861
Speiser H	13209
Speitka A	57570
Spektor A	56665
	33271
	41641
	61134
Spelina M	18326
	29861
	56147
	56177
	56185
	73994
Spell D P	88869
Spellman J E M	79911
Spence G H	31232
Spence J A	8536
	24353
Spence L	73176
Spencer B H	34828
Spencer D	1246
	51282
	83033
Spencer D A	26950
Spencer D M	41896
	59057
	67771
	77181
Spencer E	39821
Spencer G J	41703
	46806
Spencer G R	62467
Spencer H	29064
	63979
Spencer H E P	63183
Spencer J	70820
Spencer J F T	16011
	33353
	77795
Spencer J V	7124
	7165
	39931
	75618
	75648
Spencer K A	5153
	12901
	21237
	55822
Spencer L	30544
	47960
	48029
Spencer M	60295
	76207
Spencer M C	62468
Spencer N L	10499
Spencer R T	9839
Spencer S B	21561
Spencer V E	18040
Spencer W F	18041
	18043
	25595
Spencer-Booth Y	12686
	12687
Spender B	25854
Spendl H	71268
Spener G J	81837
Spengler J J	31804
Spenik M	91728
Spennemann F	22820
Spenser I D	9260
Sperandio G J	7110
Speranskii N	14326
Speransov N N	13306
Speranza F	7635
Sperber G	71079
Sperlich D	5154
Sperling L	20172
	20478
	53800
	71695
Sperling M	74626
Sperry O E	43811
Sperti S	88191
Speshilov M	39380

	Item
Spesivtseva N A	19511
	19576
	27442
	27727
	36206
Spett A	26846
Spice H R	38840
Spicher G	39866
	65934
Spickett S G	29321
	46932
Spidla J	25021
Spiegel P	89878
Spiegelberg E	85889
Spiegler P E	47250
Spielman A	29476
Spielmann O	37894
	46692
	92280
Spieoler P E	29812
Spiers C H	31263
	66005
Spiers W A	37182
Spies J R	57390
Spiess E B	12902
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Spijk P C van der M van	20914
Spijkerman A J C	26600
Spikes J D	51307
Spiller D	12663
Spillers A R	61768
Spillman A	79010
Spilman T H	82333
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Spindler F	49271
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Spindler P G	74317
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Spinelli G	48386
Spinks J W T	8105
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Spiranec M	44700
Spirchez Z	26859
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Spiridon-Badescu L	67366
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Spitz R D	11049
Spitze R G F	57661
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Splittstoesser D F	13559
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Spofford J B	5155
Spohn J E	6942
Spoon W	48817
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Spranger J P C	11782
Spratt E D	52831
Spratt N T	46042
Sprau F	24481
Spray M	56376
Sprecher E	9160
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Spreng H	15571
Sprenge R K	63037
Sprent P	16485
Spreull J S A	45755
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Spring J J	60836
Springer F B	17795
Springer F B--Cont	17800
	17801
	51813
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Springer P F	28926
Springer U	35618
Springhetti A	5645
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	46724
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Sprintsyn M N	26992
Sprinz H	20116
Sprock V	10893
Sproston T	50149
Sprout P N	2077
Spruill D G	28622
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Spurr S H	18928
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Spurway H	20995
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Spyridakis D M	89474
Spyropoulos G S	40078
Spytkowska H	23372
	23373
Spyvee J	67856
Squadroni G	39867
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Squibb R L	12000
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Squiers C D	46297
Squillace A E	53362
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Srb A M	8010
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Srbich A L	19224
Srebocan V	27444
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Sreckovic A	4229
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Sredneaziatskoe Planovo-Metodicheskoe Soveshchanie	15948
Sredovitch S	54434
Sreekantiah K R	417
	22439
Sreenivas L	78766
Sreenivasa-murthy V	22439
Sreenivasan A	8923
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Sreenivasan M S	33272
Sreenivasaya M	25118
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Srinivasan V--Cont	35584
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Srinivasan V R	66240
Srinivasulu K	25350
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Sriramamurthy R	78741
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Srubar B	63628
Srzednicka-Lubinska W	88778
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Stabler R M	73177
Stables R E	19918

	Item
Stacchini A	39157
	56966
Stace C A	32861
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Stace V D	76429
Stace-Smith R	59182
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Stadelman W J	3822
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Stadnitskii G V	71269
Stadtler M	47460
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Staehler H	44277
Staelens M	27742
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Staeva L	39650
Staffeldt E E	32999
Stafford A E	13033
Stafford E M	55507
Stafford G	74477
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Stafford W E	84941
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Stafiichuk A	27289
Stafiichuk A A	71696
Stafleu F A	77
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Stage A R	53244
Stage G I	82419
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Stage H	57391
Staggs T W	28923
Staheli D L	31297
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Stahl P	3966
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Stahl U	21896
Stahl W	20549
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Stahl W R	87367
Stahlberg H	57973
Stahlberg S	43980
Stahlecker W	75034
Stahlhofer W	21794
Stahli H	25119
Stahlin A	48152
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Stahmann M A	8544
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Stahn B	10291
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Staib F	45553
Staicu I	2337
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Staidl J A	26849
Staikov G	60194
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Staikov V M	48983
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Stainsby G	84726
Stainsby W	44436
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Stale J	70888
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Stallcup O T	11728
Stallings D B	55979
Stallings J L	25120
Stallings V N	55979
Stallmann I	48259
Stalmann G	31415
Stalmann H W	15572
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Stamato W	55506
Stamatov T	93856
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Stambaugh W J	33055
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Stancheva L	55096
Stancic J	64263
Stancu M	57878
Stanculescu C	93938
Standal N	63569
Standichuk I	72424
Standiford F C	18418
Standing W	67276
Standley P C	67400
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Standridge N	8932
Stanek E	63368
Stanek M	41913
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Stanek W	2752
Stanek W K L	79307
Stanesco D	26079
Stanescu C	10784
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Stanescu V	5520
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Stanescu Z	34456
Stanescu Z-- Cont	43177
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Stanford C J N	7908
Stanford E H	738
Stanford G	18368
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Stanford Research Institute	84381
Stanford University Law School	74492
Stanforth A T	75664
Stang	74681
Stange L A	13095
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Stanger A G	53628
Stanger C	17264
Stanger N E	62898
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Stanic A	90719
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Stanier M W	81299
Stanier R Y	42316
Staniforth A R	49192
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Staniforth D W	33560
Staniforth S	14977
Staniforth S D	31938
Staniland L N	4435
Stanishevskaya A F	2931
Stanishevskaya E M	69248
Stanislawitschute J S	43981
Stanjek R	89445
Stankevich A K	33849
Stankiewicz W	27445
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Stankov S S	49833
Stankovic B	6159
Stankovic D	93608
Stankovic S	9314
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Stanley E A	23896
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Stannek G	21632
Stannek G-- Cont	40686
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Stanners N D	42847
Stannett V T	53707
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Stanojevic S D	55126
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Stanton T H	6727
Stanton W R	74445
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Staples K	4463
Staples R C	88233
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Staples R E	19919
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Starer E	58343
Starets V A	81821
Starichkova V E	93449
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	Item
Starke J S	22619
Starker C H	47385
Starkey J H	82401
Starkey R L	52625
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Starkoff O	4958
Starkova V E	72811
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Starling J L	928
Starling T M	9405
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Starnes O	4349
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Starodubets A V	92777
Starodubtsev N S	25856
Starodubtsev V	15033
Starodubtsev V S	66702
Starodumov Yu N	89467
Staron T	54642
Starostin S G	33130
	63941
Starostka R W	51642
Starova N V	26916
	44846
Staroverov N A	36207
Staroverova V	88821
Staroverova V V	23303
Starovoitova A P	43111
Starozhilova O N	9631
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Stary F	40217
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Starykh V	47533
Starzycki S	1511
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Starzynski A	62670
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Staszkiewicz J	44847
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Stativkin V G	58839
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Stautemas E	7329
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Staveren J M van	44437
Stavern J van	3362
Staverskii G	14600
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Stavrova E	83937
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Stawarski I	5324
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Steele-Templehof H	93744
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Steib R J	50416
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Steichen T W	23578
Steidl R E	58447
Steiermark Landeskammer für Land und Forstwirtschaft	15279
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Stein I	6836

	Item
Stein I--Cont	7637
Stein J	83263
Stein J R	229
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Stein W H	30143
Steinbacher J	76690
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Steinbrenner K	35210
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Steinitz W S	65537
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Steinmann H--Cont	73911
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Stene J--Cont	61639
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	Item
Stevens J	66868
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Stevens J S	23689
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Steyskal G C	12903
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Stichel W	21309
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Stichting Bosbouwproefstation "De Dorschkamp"	44566
Stichting Centrale Melkcontrole Dienst	11729
Stichting C L O-Controle	39454
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Stichting Economisch Instituut voor de Middenstand	39320
Stichting Nederlands Graan-Centrum	60463
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Stichting voor de Nederlandse Vlasteelt en Vlasbewerking	9441
Stichting voor het Fokkerijwezen bij de Pluimveehouderij	43204
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Stickney R A	53206
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Stilwell R E	70822
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Stinskas V A	45164
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Stockholm Skogs- och Lantbruksakademien	43983
Stockholm Slakthus-Och Saluhallstyrelsen	27498
Stockholm Statens Lantbrukskemiska Kontrollanstalt	94863
Stockholm Svenska Traforsknings-Institutet	10986
Stockholm Veterinarhogskolan Biblioteket	62472
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Stoica H	26063

	Item
Stoica V	75788
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Stoicescu S	91277
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Stover S L	57235
Stowarzyszenie Inzynierow i Technikow Lesnictwa i Drzewnictwa	90002
Stowe B B	42855
	50931
Stowe C M	19581
Stowe H D	63117
Stowell K C	14266
	93713
Stower J S	10427
Stoy V	1254
Stoyanov D	19522
Stoyanov I	11317
Stoyanov L	69424
Stoyanov N S	9971
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Stoyanov V	19351
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Stoyanova M	86739
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Strachan C C	30247
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Strachan I	15633
Strachan N H	11553
Strachan R T	13359
Strache F	14068
Strachov I P	40021
Stracke W	69425
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Strackee L	44065
Strackenbrock K H	14118
Stradelli A	45393
Strader G A	14735
Strafelda J	42856
Strahan D	57184
Strahilov E	26557

	Item
Strahl H	75955
Straile W E	20316
Strain H H	1353
	9315
Strain J H	20138
Strain J R	30566
Strain M B	49692
	58334
Strait J	83198
	83199
Straka H	32678
	58656
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Strakhov I	51611
Strakhovich K K	75195
Strambi A	82647
Stranak J	88443
Strand A H	39402
	48098
	56798
Strand A L	2553
Strand E	52892
	88444
	88445
Strand L	2635
Strand P	47313
Strandhede S O	58661
	86510
Strandtmann R W	73155
	73581
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Straneo S L	5042
Strang J	16736
Strang P M	22268
	30869
Strange R	2339
Strangio V A	21240
Strangway A K	23678
Strangways-Dixon J	5157
	29478
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	82431
Stranská K	42857
	89221
Stransky Z	63792
Strasburger E	86373
Strasburger M	69110
Strasheim A	83360
Strashun S I	6703
Strashinskii B A	71386
Strassen R zur	29814
Strasser A K	41016
	57439
Strasser H	54558
Straszewicz L	48261
Stratman F W	12188
	20448
Stratmann M	14011
	39568
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Stratonovich A I	61957
Stratton C L	5857
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Stratton G B	82113
Stratton J	45792
Stratton P	1615
Stratum P G C van	38907
Straub C	13488
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Straub I	66082
Straub M	20035
Straub O C	90721
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Straub W	35746
Strauch D	11195
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Straumal B	88490
Straumal B P	9442
Straumsgard L	43296
Straumsgard L	74353
Straunard R	28120
Straus J	60358
Straus M A	57733
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Straus M W	49837
Straus S F	84251
Strausmanis G	66393
Strausmanis G A	40323
Strauss B	85312
Strauss B S	42434
Strauss C B	49272
Strauss E	65140
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Strauss F	79916
Strauss J	80885
Strauss R	51575
Strauss U R	63866
Strawbridge W G C	74493
Strawinski K	38589
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Strawn B	23820
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Strayer N M	70157
Strazdina A	81638
Strazdina A A	63959
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Strazdunaite R Yu	65141
Strazhevskaya N B	9166
Strazielle C	87027
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Strebel O	44776
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Streef G M	7443
Street A E	36976
Street D R	6691
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Street F	17531
Street G	84343
Street H E	9167
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Street J C	28921
Street J E	1591
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Streetmen L W	7330
Streets C L	49085
Streets R B	59065
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Strehler B L	87681
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Strehlke R	14683
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Streit W	83875
Strekopytov G M	69066
Strel'chenko T I	60200
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Strelkov I G	35407
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Strel'skaya O Ya	67798
Strelzoff S	35604
Stremme H E	18545
Strenzke K	5158
Strepkov S M	34191
Stresser-Pean G	24101
Stretch A W	22415
	48432
Stretcher E E	76314
Streu H T	24485
Streuber E	43318
Streuber G	85590
Streukens H H	7724
Strew S W	17804
Streyffert T	61760
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Strich-Harari D	87135
Stricht H van der	60838
Stricker M H	12683
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Strickland A H	29042
Strickland J D H	42995
Strickland K L	80443
Strickland R G	9165
Strickland R K	79614
Strickland W N	931
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Strider D L	8537
Stridsberg E	53207
Strigalev A N	70092
Striganova B R	12847
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Strigger S	16393
Strijdom B W	56
Strijkers J	89379
Striker M M	2229
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Strikmann E	42318
Strikwerda R	71964
Strimbeanu M	91824
Strimbeiu M	44844
Stringam E W	80198
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Stringer B	75498
Stringer C E	28781
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Stringfellow A C	57190
Stringfield G H	4620
Stripling H L	114
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Stritzel J A	89468
Stritzke J F	88568
Stritzke S M	1749
Strizhenko N M	37098
Strmiska F	6640
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Ströbbe R	11285
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Strobel D R	41017
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Strobel J W	59066
Strochkova A V	59627
Stroczynska M	27460
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Strods H	78901
Strodtz N H	65186
Stroe D	79228
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Strogonov B P	16633
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Strogonova L E	42750
Stroh R	21077
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Strojnowski R	4774
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Strom L G	5181
Stroman G N	25412
Stromberg A	2935
Stromberg G	39403
Stromberg M W	81324
Stromf A	70093
Stromme E	9736
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Strona I G	48897
Stronberg L A	48388
Strone I	74242
Strong C L	14394
Strong D	18401
Strong D H	85119
Strong F E	29619
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Strong R G	4737
Stroobants P	92717
Strooker E	29862
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Stroppel A	13156
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	23804
Stroppel T	21564
Strother G K	1255
Strothmann H J	65340
Strothteicher H	57191
Stroube E W	35049
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Stroube W H	42876
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Stroud J W	45229
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Strouhal E	30012
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Strouhal H	64264
Strouhal V	74243
Stroun M	16814
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Stroup G E	65938
Stroyan H L G	4707
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Strozier D	23679
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Strube W	66241
Strubing E	86219
Struble G R	4775
Struchtemeyer R A	53345
Struck M	75448
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Strugger S	25125
Struijs L C	10287
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Struk M I	62327
Strukalin M	15155
Strum G E	45667
Strumilin S G	85175
	85176
Strun M	60201
Strunk N	85237
Strunnikov N A	45063
Strunz K	37390

	Item
Strupl M	18579
Strusi A	14452
Struss H E	19920
Struthers P H	71376
Struts A Ya	49294
Strutsovskaya E S	69426
Strutt C	83876
Strutynska K	6837
Struzek B	94446
Stryckers J	9918
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Strydom D	52058
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Strydom D K	69068
Strydom E	60913
Strydom J C	69069
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Stryker D W	43552
Stryszak A	53923
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Strzelczyk E	2139
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Strzelczykowa A	78455
Strzelec W	70199
Strzelec Z	68801
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Strzemska J	10073
Strzemski M	26011
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Stuart D L	22073
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Stubbe W	50906
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Stubbings R	48709
Stubble H	16486
Stubblefield R D	1314
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Stubblefield T M	86015
Stubbs A C	13364
Stubbs J	79260
Stubbs J R	76233
Stubbs L L	42036
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Stubchen G	28582
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Stuber H	75389
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Stuber O	65539
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Stubler E	13412
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Stucchi C	34833
Stuck R	43020
Stuckenberg B R	29564
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	82433
Stuckey B N	30304
Stuckey I H	1256
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Stuckey R J	36722
Stuckrad J von	72882
Studdert M J	27869
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Studentsov A P	62271
Studentsov K P	62473
	71844
Studer A	14073
	14190
Studer H E	56186
Studer O	40874
Studer R	50955
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Studic D	62474
Studic G	54019
Studiekring voor Ecologie en Fenologie	42858
Studiekring voor Voorlichting	15283
Studier H	37898
	64196
Studky H R	26415
Studt N A	31619
Studzinski A	24160
Studzinski T	81127
Stuke H	22534
Stuke W	9687
Stukovsky R	3377
	11641
Stukovszky J	36697
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Stula E F	62603
Stull J W	45469
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Stumper R	38412
Stumpf A	13394
Stumpf F	75899
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Stumpf P K	1165
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Stunkard H W	23805
Stuntz D E	16891
Stunzi H	54020
Stupka J	23580
Stupnicka H	26259
Stupnikov A A	92010
Stupnikov V A	93666
Sturchler W	81263
Sturenburg P	56154
Sturges A	30984
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Sturgess O W	37677
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Sturgis M B	2340
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Sturkie P D	11964
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Sturm W	13448
Sturman I I	80886
Sturmayr R	71387
Sturrock R F	46157
Sturrock T T	60678
Sturt D W	14921
Sturtevant A H	82434
Sturtevant J M	30143
Stusak J M	38341
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Stussi D B	13763
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Stute K	29208
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Stutt R A	40517
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Stutterheim W	13261
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Stutz E	25127
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Stutzel M	28270
Stutzer D	14922
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Stuvel H J	44439
	70824
Styazhkina A G	14445
Styazhkina N B	28940
Styles E C C	9232
Styles J H	4717
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Stys P	38342
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Stys Z	24320
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Su J C	88234
Su K C	34192
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Su L	38264
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Su N R	43984
Su Sh J	66591
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Su Y H	66591
	66625
Suab H	85890
Suarez A	71701
Suarez F J	29620
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Suarez O	73166
Suarez O M	82488
Suarez de Castro F	25995
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Suarez Fajardo A	30985
Suassuna E N	62355
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Suba S	73928
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Subak-Sharpe H	11859
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Subbiah J	77183
Subbotin V P	7444
Subbotina N V	69070
Subbotovich L	69613
Subers M H	57213
Subhangkasen S	62919
Subido P S	50235
Subitte J	30290
Subrahmanyam H	31015
Subrahmanyan H S R	6823
Subrahmanyan R	42163
Subrahmanyan V	13853
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	39741
Subrahmanyan V--Cont	47664
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Subramaniam C P	33401
Subramaniam M K	8789
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Subramanian A	25334
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Subramanian A A	25370
Subramanian C V	24102
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Subramanian G B V	82539
Subramanian N	56493
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Subramanian S S	15868
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Subramanian T R	52523
Subramanyam K	828
Subramanyam S	8789
Subramoney N	52560
Subrt J	80325
Subrt M	7014
Subrt O	56090
Sucevic M	76709
Such H	92718
Such J	92339
Such S	10847
Suchalkina M I	17876
Suchanek A	89222
	89405
Suchanek B	27870
	27937
Suchanek J	66706
Suchardova J	90839
Suchecki W	93745
Suchomel J	6393
Suchtelen N J van	65819
Suchy J	12334
Suchy M	88235
	88236
Suciu I	92562
Suciu M	37886

	Item
Suciu P N	36146
	71619
Suckling F E T	1620
Sucoff E I	2690
	18842
	26913
	26914
	35838
Suda M	90434
Suda Y	33731
Sudachkov E Ya	90003
Sudakevich Yu E	25128
Sudakov A V	34193
Sudakova L V	70917
Sudan Central Off of Information	23211
	23212
	66589
Sudan Ministry of Health Wellcome Chemical Laboratories	30140
Suddarth S K	53618
Süddeutsche Versuchs- und Forschungsanstalt für Milchwirtschaft	93436
Suddoth G A	19204
Suder M	71410
Sudershan P	4437
Sudi J	1257
	59944
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Sudia T W	8697
	42699
Sudia W D	82104
Sudit Zh M	13301
Sudmeyer W	21687
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Sudnik Z N	65655
Sudnitsyn I I	17918
Sudnov P E	16739
	42859
Sudo S	26044
	26045
	26184
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Sud'yina O G	69255
Sudzhashvili B I	87222
Sueoka N	887
Suerte D	40195
Suetsugu I	42319
	42320
	42860
	42861
	42862
Suffolk County (N Y) Mosquito Control Commission	81591
Suffolk Naturalist Society	63708
Suffolk Sheep Society	91642
Sufliarsky J	91910
Suga H	67571
Suga N	5582
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	73535
Sugak A G	62202
Sugamoto M	1397
Sugano H	48860
Sugano M	2896
	2897
Sugar Club	94074
Sugar Technologists' Association of India	75769
Sugawara H	28449
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Sugawara K	24515
Sugay W	27717
Sugaya S	9777
Sugg J S	22734
Suggs C W	57599
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Sugi S	13035
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Sugier H	22233
Sugihara H	3010
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Sugihara T F	75649
Sugimoto A	81714
Sugimoto K	42797
Sugimura A	24663
Sugimura K I	48819
Sugino M	9169
Suginome H	62217
	62218
Sugita E	31552
Sugita J	85946
Sugiura K	28483
	72242
	72848
Sugiura T	47195
Sugiyama C	25672
Sugiyama H	20989
	39217
Sugrobov M M	76337
Suhaci I	28341
	28523
	37017
Suhonen I	71633
Suijdendorp H	54889
Suire J	38511
Suit R F	24486
Suitor A E	37146
Suitor E C	55710
Sukachev V N	58504
	61851
Sukachev V V	15638
Sukanya Bai M V	33732
Sukhacheva N V	16083
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Sukhanov N P	62619
Sukhanova I N	58765
Sukhanova S N	88808
Sukharchuk G	76024
Sukharchuk G D	76763
Sukharov K M	28586
Sukhatme P V	38882
Sukhobrus S V	89783
Sukhoivanov V A	2341
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Sukhomlin K G	27781
Sukhomlinova O I	64455
Sukhorukov K T	69071
Sukhov K S	68043
Sukhov V I	66590
Sukkawala V M	59602
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Sukopp H	41343
Sukumaran C K	50389
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Sulaiman M	8623
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Sulakadze T S	42863
Sulc J	6393
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Sulcs A A	64679
Suleimanov M S	37678
Suleimanov R	74071
Suleimanov Sh	94249
Suleimanov V G	51363
Suleimanova D N	11682
Suleimanova I	78725
Suleimenov B S	94564
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Sulinowski S	69169
Sulit C	53245
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Sullivan C R	29166
Sullivan C Y	1139
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Sullivan S	7213
Sullivan S O	58353
Sullivan T	50556
Sullivan T W	3065
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Sullivan W N	5583
Sullivan W N--Cont	12369
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Sullivan W W	63712
Sulman F G	20036
Sulphur Institute	78982
Sulser H	38908
Sultan-Shakh E G	83174
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Sultanov D	72256
Sulyok B	70825
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Sulzbacher W L	14425
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Suman R F	36524
Sumanov E Ya	51364
Sumenil L C	57804
Sumereder K	56800
Sumi S	77152
Sumi Y	11039
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Sumiki Y	9294
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Suminski J	62243
Sumiya K	3010
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Summerhayes V S	15805
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Summers F M	12793
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Summers J D	28225
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Summers T E	77911
Summerville W A T	48476
Sumner C J	35114
Sumner D C	60586
Sumner F W	37021
Sumner H M	87995
Sumner M E	78390
Sumner-Smith G	54559
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Sun H K	38278
Sun P C	1182
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Sun Y P	12370
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Sunberg W	46694
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Sundaram T K	42990
Sundaram V	75021
Sundararajan V N	1341
Sundaresan D	19681
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Sundberg T	11683
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Sundell G	63197
Sundene O	67573
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Sunding P	8165
Sundquist W B	57919
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Sundqvist B	18910
Sundsten J W	72820
Sundt E	56576
Suneson C A	9402
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Sung Ch Ch	22923
Sung Ch T	66591
Sung Ts T	66625
Sunkes W C	7110
Sunkist Growers	48389
Marketing Research Dept	6740
Sunley J G	11134
Sunner S	27188
Sunset Books	17616
Sunset Magazine	88822
Suntych F	80656
Suolahti O	53582
Suomalainen E	37996
	38148

	Item
Suomela H	9335
Suomen Hyönteistieteellinen Seura	28740
Suomen Metsayhdistys Metsavalistustoimisto	26731
Suomen Osuuskauppojen Keskuskunta	85450
Suominen J	58603
Supek Z	63610
Supka R	2921
Suplicy N	28971
	28972
	28973
	37634
	46440
	46507
	92175
Supperer R	12002
Suprun T P	26093
Sur B K	9312
Surber E	44849
Surber E W	43817
Surber J H	26619
Surcek M	24103
Surdan C	27406
	27456
	28655
	72225
	73030
	91119
Sureau C	28706
Surevich V	79559
Surewicz W	45072
	79561
Suri K R	11422
Suric S	79175
Surikov V T	53529
	62032
Surilov V S	92750
Surin B I	36341
Surin V A	10418
Surin V N	54819
Surinam Dienst Lands Bosbeheer	10547
Surinam Landbouwproefstation	32610
Surinam Ministerie van Landbouw Veeteelt en Visserij	56522
Surjan J	72996
Surkov N N	1291
	75037
Surkov V A	16394
Surkova L I	69076
Surkova N N	20775
Surlekov P	89223
Surma W	93625
Surmach G P	61625
Surman K I	61240
Surminski J	62215
Surminskii N S	10334
Surovtsev P A	90243
Surrey K	60202
	87996
Surtees G	5207
	21152
Surugiu N	71501
Surupaceanu N	53726
	71489
Surve D N	77734
Suryanarayana D	16084
	86938
Surynek J	37066
	37067
	54820
Sus N I	10464
Susaki S	80924
Suschka A	63221
	80721
Susheela A K	45857
Sushenitsa B A	70520
Sushchevich A V	88779
Sushkevitch T I	84124
Susidko P I	12481
	55461
Suski Z W	46561
	46592
	46593
	46594
Suslov G V	3977
Suslov I	14693
Suslov V M	9522
	60603
Susmel L	2636
	90136
Susnoschi S	78850
Susorov B G	14595
Suss A	16740
	43985
Sussex Herd Book Society	3301
Sussman A S	16967
	94864
Sussman M	59628
Sussman O	37545
Sussman R R	24660
Sussman V H	58817
Sust A	48170
Sustera O	47118
Suszka B	10788
	61949
Suta A	60702
Suta V	37695
	46527
	55510
Sutcleffe J F	51365
Sutcliffe A	69878
Sutcliffe D W	5651
	38343
	73912
Sutcliffe R C	49870
	49871
Suter H E	80444
Suter P	5605
	91254
Suter R	67025
Suter R C	32044
	64801
	66708
	76128
	94490
	94506
Suteu V	73030
Sutherland B J	39359
Sutherland C F	35980
Sutherland D J	81592
Sutherland D N	3577
Sutherland I O	49955
	51543
Sutherland J L	7227
Sutherland J P	35050
	35051
	35059
	35060
	43818
Sutherland K L	6057
Sutherland M A	34059
Sutherland M D	64511
Sutherland M L	25129
	52304
Sutherland N S	90723
Sutherland T M	62622
Sutherland W N	2342
Suthipholpibool S	25596
	25597
Suthisaard K	78172
Sutiaghin I	52911
Sutic D	87083
Sutidze G E	69790
Sutmoller P	45793
Suto S	55627
Suto T	24759
Sutoh H	45230
Sutoris V	12334
Sutter E	46767
Sutter J G	74877
Suttie J W	36525
Sutton A	28390
	28391
Sutton B C	33011
	58811
Sutton D	9167
	16741
Sutton F R	5522
Sutton G D	19616
	20413
Sutton H J	64018
Sutton J A	78534
Sutton J D	3477
Sutton K H	65540
Sutton M D	33361
Sutton S D	22794
	84944
Sutton W A	23519
Sutulov A N	69071
Suvajdzic T	69989
Suvanajata P	25598
Suveges T	19582
	37100
Suvorov A	75487
Suvorov A F	13234
Suvorov N I	59354
Suvorov V V	32679
	32863
Suvorova L	49103
	70653
Suvorova T N	34529
Suwa T	59107
Suwaki M	22949
Suwal P N	42955
Suwan L	32215
Suwanarat C T	25996
Suyama K	47478
Suyarov V F	57909
	94484
Suyemoto W	20614
Suzaki T	53412
Suz'ko S F	91516
Suzman M M	94814
Suzor L	60617
Suzuki C	31584
Suzuki D T	55823
Suzuki H	74632
Suzuki I	73499
Suzuki K	10971
	20680
	21264
	31585
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Suzuki K I	20996
Suzuki M	16742
	24732
	53735
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	77537
Suzuki N	59074
Suzuki S	700
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	15869
	16269
	16743
	27871
	28342
	31534
	33563
	33564
	42164
	60144
	60145
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	68191
	68192
	77346
	83172
Suzuki T	11975
	14063
	28389
	55237
	56878
	73253
	73254
	74994
	88149
	91606
	93462
Suzuki Y	12355
	69221
Suzuoki-Ziro	74715
Suzusino G	34331
Svab F	42321
Svab J	1439
	24440
	25045
	25284
	34217
Svab J--Cont	51697
	87855
	88302
Svab Mrs J	35085
Svadzhyan P K	46413
Svalov N N	35684
Svanbaev S K	20414
	63526
	63527
Svanidze M A	68193
Svarc J	90072
Svarcbek J	21575
Svardstrom K F	7549
Svatkov N M	67368
Svechin K B	79917
Svechnikov I D	37620
	92064
Svedbjork O	65458
Svedinger S	65010
	65030
Svejda F J	51366
Svenkerud R R	20054
Svensen A	30533
Svenska Agghandelsforbundet	22772
Svenska Cellulosa Aktiebolaget	19277
Svenska Handelsbanken	7364
Svenska Kennelklubben	72289
Svenska Kontrollanstalten for Mejeriprodukter och agg	13814
Svenska Lantmannens Riksforbund	76691
Svenska Linne-Sallskapet	58556
Svenska Mejeriernas Riksförening	48117
	83838
Svensson B	69077
	78555
	89224
Svensson E	51737
	52003
Svensson S A	37101
Svenstrup J K	3072
	27667
	45527
Sverepova G	25782
Sverezomb-Zubovskii E V	37507
Sveriges Allmanna Exportforening	86021
Sveriges Jordbrukskasseforbund	31725
	57695
	66414
Sveriges Kronojägareforbund	18663
Sveriges Palsdjursuppfodares Riksforbund	28086
	54600
Sveriges Pomologiska Forening	51906
Sveriges Slakteriforbund	84664

	Item
Sveriges Utsades-forening	1440
	57491
Sveshcharova-Dineva M I	65722
	88237
Sveshnikova M A	24092
	67318
Sveshnikova N M	68080
	75157
Svetashov A T	89381
Svetlakova A A	69078
Svetlichnyi V	82990
Svetlicic A	61696
Svetlov P G	73707
	92472
Svidercoschi A	14923
Sviderskii V L	38552
Svihla A	38590
Svikle D	11069
Svilane A	71699
Svinarev V I	18546
	251.0
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Svinolupov I I	19970
Sviridenko P A	37499
Sviridenko V A	36619
	80321
Sviridonov M G	69677
	88780
Sviridov A P	12293
Sviridov B F	93164
Sviridovich V	34359
	69573
Svirskii Ya N	34530
	43297
	43298
Svistunov N M	91730
Svob T	36342
	79918
Svoboda A	52036
	53391
	94075
Svoboda G H	34332
	69256
	88238
Svoboda J	46043
	73454
	83361
Svoboda K	66709
Svoboda O	54021
Svoboda V	85451
Svobodova J	87084
Svobodova R	45180
Svozil B	28565
	45439
	45441
	45452
	45453
	72666
	72667
	90870
	90949
Svozil E	28179
Svrcek M	33012
	41579
	67649
	67650
Svyatogor A P	76283
Swaak A J	23681
Swabey C	18728
Swack N S	1259
Swaffar C D	36451
Swaffer P	19971
Swailes G E	12473
	21241
	28990
Swain A P	22922
	94093
Swain F G	66592
Swain R H A	19452
Swain T	14166
	65754
Swaine D J	44505
Swaine R L	7111
Swaisgood H E	47944
Swale E M F	32903
	42322
Swale T W	27129
Swallen J R	180
Swallers C	51816
	60466
Swaminathan K	25848
	33732
	57104
Swaminathan M	15478
	15480
	32482
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Swaminathan M S	796
	831
	16282
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	24624
	24688
	33733
	33794
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	68514
Swamy B G L	805
	832
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Swamy M N	15868
	34306
Swamy N S R	87711
Swan D G	52305
	70096
Swan H S D	53346
	71161
Swan J F T	90272
Swan L W	702
Swan W B	85313
Swanberg O	45045
	62146
Swanepoel O A	6581
	13943
	65611
Swangard W M	55128
Swango L C	6846
Swanholm C E	51556
Swanimathan M S	87466
Swank C E	38919
Swank C W	74472
Swank M G	54914
Swank W G	26984
Swann I F	82991
Swann S B	22773
Swanson A F	88069
Swanson A M	56801
Swanson C L W	34194
Swanson C P	86135
Swanson D W	9331
Swanson E R	15035
	21929
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Swanson E W	3405
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Swanson G I	32216
	49506
	49507
Swanson H B	86277
Swanson H F	40773
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Swanson J	32024
	32025
Swanson J P	23375
	31942
Swanson L E	36736
Swanson M C	37656
Swanson M H	14549
	14550
	48861
Swanson N P	61507
Swanson P P	94807
Swanson R C	82927
Swanson R H	87998
Swanson W H	27135
Swarbreck G E	14306
	48566
Swarbrick J T	8667
Swarbrick O	11354
	19921
	36723
Swarming V	21012
Swart J A	45529
Swart J C	45529
Swart J H	4093
	72815
Swart J N	71965
Swart L G	54730
	63254
Swart R W	72982
Swartling P	48024
	74826
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Swartwout H G	24260
Swartzendruber D	2061
	26046
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	52427
	78902
Swarup G	417
	499
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Swarup R	57880
Swarup V	9778
	50800
	81715
Sweat R L	91116
Sweatman T R	79012
Sweden Domänstyrelsen	35642
Sweden Jord-bruksdept	32511
Sweden Kom-merskollegium	23635
	41018
Sweden Lant-bruksstyrelsen	23376
Sweden Lapp-fondsutred-ningen	85195
Sweden Oappvasendet Renforskningen	62475
Sweden Skogs-styrelsen	10601
Sweden Social-styrelsen	6024
	7574
	49104
Sweden Statens Jordbruksnamnd	58290
Sweden Statistiska Cen-tralbyran	21930
	39106
	65272
	79427
Sweden Svinstamkon-trollen	91939
Swedrup I	3643
Sweeden R	43372
Sweeney B M	9170
Sweeney F	25488
Sweeney J P	65820
Sweeney R	48195
Sweet D V	52162
	52306
Sweet J S	84119
	89090
Sweet M C	31479
	66181
Sweet O K	27938
	62962
Sweet R D	17666
	17806
	17807
	52187
	52307
	52308
Sweetapple G F	84503
Sweetser P B	1260
	1261
Sweetten R B	6470
	56914
Swendseid M E	32455
Swennen C	27
Swenson H	6497
Swenson H A	71528
Swenson K G	33415
Swenson M J	80190
Swenson W S	35879
Swentor A W	38967
Swerling B C	85452
	94789
Swern D	22699
Swiader J	10620
	18821
	26712
Swiatek S	94335
Swiatkowska K	31647
Swiderski J	62197
Swidler R	87965
Swiech S	55111
	73020
Swiecicki A	76284
Swiecicki C	70223
	70301
Swietlicka E	33829
Swietlikowski M	27449
	28707
Swietochowski B	1262
	23520
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	88692
Swiezynska H	86565
Swiezynski K M	68515
Swift C E	14354
	48629
Swift F C	33045
	33047
	33131
	50236
	73330
Swift H	73658
Swift J E	12439
	12612
	21851
	33029
	33030
	33116
Swift L W	26985
	52005
Swift R W	41208
Swiger L A	3302
	11532
Swiger R R	10848
Swiler R	84280
Swim F F	17808
Swim H C	43562
	89096

	Item
Swindells R	14055
	30936
Swinehart C	13913
Swinford K R	2687
Swingle H D	43819
	52309
Swingle R U	53421
Swingler W S	18547
Swiniarski E	25082
Swink J	51665
Swink J F	51630
Swinnen M	65342
Swinscow T D V	50144
	50145
	60203
Swire P W	63127
	63128
Swirski E	92340
Swirski M	13764
	83362
Swisher H E	57105
	57393
Swisher S N	63075
Switzer C M	25932
	52310
Switzer W P	20509
	28670
	81305
	91911
Switzerland Eidgenössische Agrikulturchemische Versuchsanstalt Liebefeld-Bern	76692
Switzerland Eidgenössische Oberzolldirektion	49633
	86022
	86023
Switzerland Eidgenossisches Dept des Innern	26752
Switzerland Eidgenossisches Statistisches Amt	13592
	49210
	58071
	79120
Switzerland Stations Federales d'Essais Agricoles	90556
Swoboda H	21448
Swoboda P A T	57364
Swoboda R	36724
	45993
Swope D A	22346
	75235
Sword J	22535
Sword P T	93714
Swortfiguer M J	65432
Syakudo K	1621
Syamananda R	88233
	88239
Syarov I	37322
	37323
	37324
	37411
Sybesma W	3578
	62921
Sybrandy S R	27939
Sychevskaya V I	55907
	73708
Sychowa M	86511
Sydorenko I D	88001
Sydorenko S S	41956
	67978
Sykalo N G	78757
	88710
Sykes A H	63332
	63333
Sykes B J	61087
Sykes G	23305
	40617
Sykes J D	84174
Sykes J F	3406
	11498
	11694
	19941
	20311
	62476
Sykes J G	6280
Sykes R L	84727
Sykes S M	48349
Sykes W R	69879
Sykol V P	2936
Sykora J	21514
Sykura A I	12542
Sylvain P G	25997
	32405
	60059
Sylvester D D	53465
Sylvester E S	4641
	4657
	20695
	20776
	29043
	55238
	55239
	55462
	82509
	92067
Sylvester N K	73641
Sylvestre G	38830
Sylvestre P E	36497
Sylvian P G	77635
Sylwan O	53658
Sylwester E P	60993
Sylwester K	92473
Syme J	73258
Syme P D	64680
	64681
Symes H	5523
	5524
	13036
	13037
Symes K J	22536
Symes O L	56091
	83215
Symington J W	67087
Symk B	14307
Symon D E	34531
Symonowicz S	94447
Symons H W	39048
Symons L	23306
Symposium and Workshop on Instrumental Methods for the Analysis of Food Additives	65098
Symposium International de Nematologie	50558
Symposium Nazionale di Genetica Animale	11451
Symposium of Studies on the Causes of Low Yield of Rice in Tropical and Sub-Tropical Regions	69428
Symposium on Capital and Credit Needs in a Changing Agriculture	57662
Symposium on Fastenings for Wood in House Construction	79468
Symposium on Immunochemical Approaches to Problems in Microbiology	94865
Symposium on Mutation and Plant Breeding	42435
Symposium on Virus Diseases of Fruit Trees in Europe	87085
Synave H	73761
	73762
	73763
	82534
Synder R W	23260
Syndicat des Producteurs de Miel de France	84543
Syndicat des Riziculteurs	61406
Syndicat General de l'Industrie Cotonniere Francaise	14012
	30870
	30871
Syndicat Interprofessionnel de l'Industrie des Engrais Azotees	61406
Synge P M	17414
	34834
Synge R L M	54962
Synnott E C	39404
Synodinos E	14505
Syrbu I G	25629
Syrett P J	34195
	42945
Syrinek F	28611
Syroedhkovskii E E	82625
Syroezhin A	2825
Syroezhin A F	45101
Syroka J	94336
Syromyatnikov S A	19130
Syrova N	88491
Syrrist G	65459
Syrstad O	36461
	36462
	62994
Syrtsov D	74132
Syrygina A I	33637
Sys C	2199
	18223
Syskova M V	34935
Sysoev A A	27872
	36343
Sysoev A V	17234
Sysoev E P	90244
Sytangel P J	61407
Sytenko L S	46595
Sytnik N P	31000
Sytnyk K M	69080
Syubarov A E	25572
Syubarova E P	25572
	60636
Syui-Fyn'	59629
Syundyukov Kh Kh	9336
	70696
Syurin V N	19583
	80887
Syuta Ya	78530
Szabadas J	50204
Szabadhegyi V	61761
Szabo B	89478
Szabo B H	76892
Szabo D	74283
Szabo F	49273
Szabo G	48099
Szabo I	300
	12294
	20415
	20416
	33014
	44049
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	89561
Szabo I A	63624
Szabo J	25373
	28012
	54439
	63666
	69614
	74345
Szabo J L	1540
	69511
Szabo L	29923
	74081
	74082
Szabo M G	33565
Szabo M G Z	68194
	76978
Szabo Z	70865
	93746
Szabolcs I	2201
	2230
	10292
	52917
Szabolcs I-- Cont	53000
	89766
	89888
	89961
Szaflarski J	72347
	80599
Szafranowa H	55129
	55130
Szakal S	84891
Szakaly J	4347
	92989
Szakaly S	47946
Szakin A N	84999
Szakmary G	12003
	20186
	80888
Szako J	3226
Szalai D	68516
	77901
Szalai Mrs D	43741
	61368
	61369
	75360
Szalay-Marzso L	12371
	46508
	64385
	64513
	92115
	92246
Szaloczy B	61580
Szaloki Z	48262
Szaloki Z S	84120
Szalva P	89225
Szamely K	83442
Szaniawska D	71551
Szaniawski A	91035
Szaniel I	76209
Szarka E	66050
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Szasz G	69081
	70500
Szarkowski J W	16968
	42323
	60360
Szasz G	25131
Szasz K	60950
Szász T	61813
Szcudlowska M	80580
Szczepanek K	15673
Szczepanska H	75536
Szczepanska K	73120
Szczepanski	34653
Szczepanski H	5326
	12976
Szczepanski K	10293
Szczepski J B	4438
Szczesny T	26601
Szczygiel A	46548
Szebiotko K	69942
Szechenyi E	88002
	93568
Szechenyi Mrs L	74540
Szecsenyi A	63610
Szecsenyi I	20269
	20270
	63334
Szederkenyi H	76061

	Item
Szederkenyi H--Cont	76285
Szegedi B	63335
	79921
Szegi J	89561
	89562
Szejtli J	5938
	21783
	56348
	56349
	65881
Szekacs G	88447
Szekely A	39557
Szekely E	26592
Szekely Gy	76764
Szekeres L	21759
Szekessy B	64267
Szekessy V	64740
Szekrenyi B	2062
Szeky A	3521
	19883
	91060
Szelegiewicz H	5262
	38344
	64523
	64524
	82560
	82561
Szelenyi G	64386
Szeless S	44945
Szeliga J	93988
	93989
Szeliga W	91633
Szeligowski E	91325
Szemberg A	94565
Szemere L	50418
Szemeredi Gy	12294
	20416
	46276
Szenberg E	62484
Szendrey I	94448
Szent - Gyorgyi A	34196
Szent-Istvany A	26962
Szent-Ivany J J H	12592
Szent-Ivanyi T	28708
	36697
	54439
	62477
	91060
Szentirmai A	16920
Szentirmai L	72746
Szentirmai Mrs L	72747
Szentmihalyi S	27670
	90884
Szentpetery L	14368
Szerwentke A	94168
	94169
Szep I	19584
	54022
	62923
	74303
Szepesi L	44651
	61707
	62053
Szepessy I	42865
	67651
Szepieniec A	42848
Szeredy I	66083
Szeremi K	21902
Szerszen L	70499
Szigethy L	47386
	60994
	61447
	94866
Szigeti J	3024
	36697
	62477
Szikszai Mrs I	31894
Szilagyi Gy	70826
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Szilagyi L	24394
Szilagyi T	41310
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Szilvassy L	73356
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Szkutnik Z	48641
Szlameniczky I	4009
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Szlapczynski Z	93747
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Szmodits T	71921
Szmuness W	20250
Szober J	86512
Szocs J	29730
Szodfridt I	35714
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Szoke B	35952
Szoke-Molnar L	7445
Szondy Gy	89961
Szontagh P	12664
Szonyi C	48642
Szonyi L	90100
Szostak D	84752
Szota Z	8846
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Szovatay Gy	11684
Szpunar B	42646
Szpunar K	88152
Szteyn K	89226
Szuber T	76648
Szubert C	93245
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Szucs A	87370
Szucs K	69311
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Szucs L	69880
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Szucs M	74738
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Szuhay M	66593
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Szujecki A	94211
Szukalski H	69082
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Szulc B	74446
Szulc M	80657
Szulc P	42068
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Szumlakowski R	45794
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Szumowski P	19370
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Szuperski T	80697
Szurman J	37407
Szuszkiewicz T E	10403
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Szutter L	3196
Szwabowicz A	81862
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Szwarcsztajn E	45072
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Szweykowski J	32896
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Szyfres B	37275
Szyling J	66084
Szymanek J	16744
Szymankiewicz H	62198
Szymaszkiewicz J	24206
Szymborska H	89767
Szymczak J	75453
Szymczakowski W	5043
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Tabacaru I	46807
Tabacchi	34936
Tabacchi M	78135
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Tabaka L	24540
Tabakova Z F	72031
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Tabarelli J F	27732
Tabarly O	37900
Tabatabai J	2385
Tabatabai M	35656
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Tabayoyong F T	34566
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Tabb C B	6839
Tabenkin B	32485
Tabentskii D A	68533
Taber F	74541
Taber S	29173
Taber W A	51367
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Taberly G	82130
Tabet D	76497
Tabikh A A	35166
Tabin J	9171
Taboada O	55186
Tabor D	84121
Tabor P	50639
Taborelli G	81308
Taborsky K	82200
Tabrah F L	32150
Tabuchi T	26047
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Tadaki Y	79259
Tadayon M	7931
Tadd A D	37408
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Tadic M D	4440
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Tadros G	46277
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Tadros T M	60204
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Tafradzhiiski I	86939
Taft K A	73455
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Taga L	37347
Tagari H	71697
Tagawa H	42867
Tagawa M	198
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Tagawa T	16787
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Tageeva S V	68382
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Tageyeva S V	9172
Taggart W F	37283
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Taggart W F--Cont	55146
Taggiasco G	8166
Tagiev E F	89523
Tagiev R	74901
Tagil'tsev A A	73582
Tagizade M	63528
Tagizade S I	54246
Taglia L	3685
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Tagliabue L	2274
Tagliati S	76816
Tagliavini G	54643
Tagmeyer	53440
Taguchi R	77722
Tagudar E T	10650
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Tagwerker F J	11356
Taha E E	42869
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Tahori A S	4441
Tai H	22660
T'ai-Wan Scheng Li Chung-Hsing Ta Hsueh Nung Yeh Ching Chi Yen Chiu So	49194
Taibekov E B	75845
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Taiganides E P	67669
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Tailland	62478
Taillant J	91427
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Taipei National Taiwan University College of Agriculture	86713
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Taiwan Dept of Agriculture and Forestry	83594
Taiwan Fertilizer Co	89947
Taiwan Inspectorate of Customs Statistical Dept	41019
Tajima K	25132
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Takacs E A	19011
Takacs I	8733

	Item
Takacs J	7015
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Takacs L	69643
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Takano T	21787
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Takanov P S	76210
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Talbot M H	86136
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Taldonov A N	7446
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Tamminen Z	44962
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Tanada Y	5526
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Tanaka J S	78148
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Tanaka S	364
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	Item
Tanaka S-- Cont	29226
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Tanasescu E	42488
Tanasescu S	10789
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Tanasijtschuk V N	92474
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Tandon K K	46805
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Tandon S L	42326
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Tanev I	28432
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Tanfil'ev V G	15786
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Tanganyika Agricultural Corporation	7550
Tanganyika Coffee Growers' Association	21978
Tanganyika Dept of Veterinary Serv	3199
Tanganyika Forest Dept	2571
Utilisation Div	26713
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Tanganyika Lint and Seed Marketing Board	65657
Tanganyika Ministry of Agriculture and Co-operative Development	41136
	49892
Tanganyika Ministry of Lands Surveys and Water	23307
	32010
Water Development and Irrigation Div	61578
Tanganyika Treasury Economics and Statistics Div	39107
Tanganyika Tropical Pesticides Research Institute	86147
Tange I	24676
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Tanghe L J	2992
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Tangucci A	6092
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Tanic B	24360
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Taniguchi H	37513
Taniguchi M	90726
Taniguchi S	34408
Taniguchi S I	2637
Taniguchi T	68044
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Tanikawa E	22949
Tanimoto T	69088
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Tapley R G	64019
Taplin G W	71388
Tapp J W	49007
Tappan W B	24487
Tappel A L	30282
Tappi V	45679
Tapscott A R	8539
Taptykova S D	67611
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Tarabrin V P	61958
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Tarakanov G I	17617
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Taranenko V I	69090
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Tarchevskii I A	10858
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Tarchevskii V V	43554
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Animal Health Serv	3200
Animal Reproduction Div	27874
Tasmania Forestry Commission	18705
Tasmania Statistician	13593
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	Item
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	91256
Taves M J	15162
	58113
	58239
	66891
Tavitian A	11976
Tavolga W N	12739
Tavora R F S	48567
Tavrin E V	69429
Tawara T	52440
Tawde S	88243
Tawse W J	84281
Taya N	56178
Tayler J C	22582
Tayloe S D	10185
Taylor A	54962
	63496
	72863
Taylor A A	3201
	30142
Taylor A L	24125
	34881
Taylor A O	42875
Taylor A W	18018
	18044
	52511
	52563
	61167
Taylor B	14426
	14427
	40022
	69882
Taylor B E	11489
	14369
Taylor B L	57492
Taylor C C	93939
Taylor C E	16128
	20778
Taylor C E D	39432
Taylor C J	15573
Taylor C M	23636
Taylor C R	78534
Taylor C S	41462
	91118
	91680
Taylor C W	81533
Taylor D	10428
	40618
Taylor D A H	2982
Taylor D H	22342
Taylor D K	16456
Taylor D O N	36725
Taylor D P	33453
Taylor D S	65658
Taylor D W	74772
Taylor E A	4715
	29113
	37901
	81746
	81823
Taylor E G	5986
Taylor E J	31181
Taylor E L	11357
	45349
	62522
Taylor E N	3878
Taylor F H	2711
Taylor F R	7551
	56523
	57193
	65939
Taylor F W	45038
Taylor G	49842
Taylor G E	3703
Taylor G M	41463
	76979
Taylor G S	2461
	16179
	18429
	31620
	41707
	44050
	53001
	53002
	53009
Taylor G T	27910
	72286
Taylor G W	14359
	94624
Taylor H	43635
Taylor H C	703
Taylor H D	15409
	75173
Taylor H M	1091
Taylor H V	57107
Taylor J	8270
	28578
	41704
	46596
	79772
	79922
Taylor J A	41905
Taylor J C	9655
	19776
	22010
	51977
	69883
	69884
Taylor J H	14556
	33734
Taylor J H-- Cont	53802
	73035
	91457
Taylor J M	12624
	12665
	12666
	20918
	73045
	73395
Taylor J N	89904
Taylor J R	57377
Taylor J R E	91549
Taylor J S	5527
	38413
	48497
	73853
	82648
Taylor J T	84113
Taylor J W H	58968
Taylor K	27602
Taylor K A	66621
	94611
Taylor K L	82564
Taylor K S	89091
Taylor L R	21431
Taylor M	93800
Taylor M C	66766
Taylor M E	37765
Taylor M J	5528
Taylor M K	50739
Taylor M M	6093
Taylor M W	48120
Taylor N H	18232
	35135
	44066
Taylor N L	42876
	87718
Taylor N W	6792
	75361
Taylor O C	16748
	41708
	87608
Taylor P	58712
Taylor P F	80447
Taylor P J	20198
	46044
Taylor P V	14069
Taylor R	64923
	64964
	92947
Taylor R B	37276
	63819
	93650
Taylor R E	62333
	85893
	94706
Taylor R H	16151
	50517
	86714
	87088
Taylor R I	30541
Taylor R J	52393
	76643
	83745
Taylor R K R	29822
	38601
	74333
Taylor R L	47479
	52786
	73206
Taylor R M	55352
	61154
Taylor R R	65423
Taylor R W	73790
	82649
	85591
Taylor S A	1101
	1102
	9175
	17926
	26055
	49977
	52383
	52441
	52454
	60208
	60209
	61476
	89473
Taylor S C S	80259
Taylor T C	6019
	6020
	21806
	30122
Taylor T G	37102
	63337
Taylor T H	72059
Taylor T L	27027
Taylor W	22189
	40153
	54601
Taylor W B	74801
Taylor W C	11057
	11109
	11110
	27147
Taylor W E	29926
	65659
Taylor W I	21795
Taylor W M W	91275
Taylor W P	8008
Taylor W R	32934
	32935
	41522
	50117
	50640
	69013
	91157
Taylor W S	87909
Taylor W W	72724
	72725
Tayman L A	24914
Taysom E D	20419
Taysum D H	7186
	42877
Tazabekov T	78906
Tazima Y	4860
Tchamitchian L	40117
Tchan Y T	32680
Tchebotarev A I	61579
Tchernyavskaya S I	29276
Te-Min H	24851
Te Punga W A	11855
	11860
	91731
Tea Research Institute of Ceylon	25998
Tea Research Institute of East Africa	25999
	35086
Teague H S	55039
	72966
Teague R E	6318
	74802
Teakle D S	55462
Teaotia S S	8791
	9176
	34625
Tebb C P	91750
Tebo L B	29273
Tecce G	75741
Technical Alfalfa Conference	53803
Technical Meeting on Co-operatives	94733
Technical Meeting on Co-Operatives	94733
Techy S	10851
Tector M A	68518
Teculescu V	67570
Tedders W L	4701
Teder A	79562
Tedeschi A	3411
Tedin O	1514
	1622
Tedoradze S G	25139
	50461
	86940
Tedrema J	37429
Tedrow J C F	18155
	52674
	78481
	89524
Teeguarden D E	10987
Teekell R A	12004
	37277
Teel M	77971
Teel M R	25140
	70596
Teesdale-Smith H S	85619
Teeter H M	57394
	66110
Tefertiller K R	26344
	32011
	32012
	45733
	78615
Tegenkamp T R	68519
Tegethoff A C	86941
Tegetthoff W	10335
Tegge G	6729
	22493
	75310
Tegge I	28180
Tehlár F	91515
Teicher K	17979
	83368
Teichmann G	91923
Teichmann P	28053
Teipel R	70827
Teisseire P	33132
Teitelbaum V	65697
Teittinen P	10294
Teixeira A R	33015
	86220
Teixeira A S	94695
Teixeira C G	48478
	78265
Teixeira G C	78264
Tejada E	23521
Tejima S	26508
Tejwani K G	35584
	53057
Teklinski A	19922

Tekper W 14051
Tekriti A 38279
Telcerova L 60210
Telemark Landbruksselskap 23761
Telenga N A 81716, 91991
Telfer W H 29734
Telford J R 76211
Teliga-Nowicka Z 80254, 88694
Telkiev G N 69312, 69430, 69615, 88449
Tellechea H F 72068
Teller W M 19630
Tellerup J 12189, 81230
Tellez Giron A 37035
Tellus B 84231
Tel'minova E 25857
Teltscher W E 30427
Teltscherova L 60211
Tembe V B 26126
Temesi Z 63313
Temir-Alin Zh 76212
Temler A 63148
Temmlova B 73374, 73387
Temnikova N S 33566
Temnoev N I 8167
Tempe J de 16749, 24362, 41709, 41710, 42878, 59069, 77186, 86942
Tempel A E 11197
Tempel E 37103, 76748, 79923
Tempel W 41906
Tempelis C H 55353
Temper K 71846
Tempere G 29404, 64387
Templado J 73854
Temple A 27078
Temple H C 47936
Temple R S 3303, 54095, 55263
Temple R W 12005
Templeman W G 10295
Templeton G E 51653, 88363
Templeton G S 80955
Templeton W C 16750, 25141, 72059
Templin E 29274
Tempo 23032
Ten A G 18252, 51802
Ten M P 20533
Tench C V 31649
Tendeloo H J C 15574
Tendille C 52462
Tendler M D 1268
Tenent R 74630
Tenerini I 41826
Tenerowicz M 80581
Tenhet J N 4738
Tenma T 76213
Tennant J R 32864
Tennas M 35936
Tennessee Academy of Science 86138
Tennessee Dept of Agriculture Div of Plant Industries 48985
Tennessee State Horticultural Society 17292
Tennessee Valley Authority SEE U S Tennessee Valley Authority
Tenney A W 66965
Tennison L B 20271, 46045, 72690
Tenov R 93597
Tenshin K 34447
Tensho K 51372, 52564, 60212
Ten'shov A N 76146
Tentoni R 22074
Tenyaev D 65940
Teodorescu D 42732
Teodorescu S 51373, 56578, 56579, 80732
Teodorescu-Popescu L 27413
Teodoru V 62480
Teokharova R 94829
Teore D W 22486
Tepe W 18309, 78391
Tepicht J 76062
Teplits N A 82063
Teplova E A 60174
Teply M 6230
Teplyakov Yu D 11394
Tepper E Z 2162, 78458
Tepper H B 754, 23899
Tepper S A 66122
Ter-Avanesyan D V 34473, 43075, 88695
Ter-Karapetyan M A 36211, 45232, 79721
Ter-Mikirtychev V P 22906
Terada S 60222
Terai Y 37947
Teramura T 25026
Teranishi R 83364, 85025
Terasawa M 71578
Terasawa S 52442, 52443, 52444
Terashima N 2988, 45131, 77826
Terashita T 10093
Terasmae J 23938, 78531
Terauchi J 28054
Terauchi J-- Cont 55131
Terblanche H J J 19577
Terebucha E 94473
Teregulov I 34511
Terekhin E S 59636, 59637
Terekhov A P 47429, 85738
Terekhov F J 62181
Terekhov I I 43445
Terekhov M I 67352
Terent'ev A F 4572
Terent'ev F A 36344
Terent'ev M 15036, 49274
Terent'ev M L 66428
Terent'ev S N 64005
Terent'ev V M 69097, 69098, 69099, 69100, 69101, 70303
Terent'eva N L 52565
Terent'eva M V 70303, 88010
Terenyi S 50386, 67165
Terenzio U 26487
Tereshchenko I S 13225
Tereshchenko E F 86756
Tereshenkova I A 26176, 90138
Tereshkov G M 26169
Tereshtchenko P 25523
Tereszczuk S 71847
Tereszczukowa M 19922
Tereznykova E M 73764
Terheyden H 45797
Terhune H D 30781
Teriba F A 68592
Terkamp E 46210
Terman G L 2309
Termini V 30700
Termohlen G P 16614
Terner E S 30428
Ternikova I P 933
Ternovoi V I 20682
Ternovskaya M I 18054, 61329
Ternovskii M 88809
Terp P 63190
Terplan G 31289, 74718, 84744
Terpstra J I 4289, 55132
Terra G J A 49195, 49709
Terra J G 41907
Terrazas Loyola J 43672, 92142, 92188
Terrell E G 53348
Terrell T T 20919, 55593
Terrier C 77022, 77023, 77024
Terriere L C 12461, 75601
Terrill B S 28866
Terrill C E 48607
Terrill S W 4212
Terrosi U 16086, 33320, 39715
Terry C L 82490
Terry J V 7170, 94450
Terry R J 91711
Terry T D 9678
Terry W A 36463
Terskov I A 55597, 92621
Tertitskii M I 62054
Terwilliger C 51374
Terzan-Kangrga N 11068
Terzian L A 12914
Terzian S 94111
Terzic D 71552, 71553
Terzic Lj 54684
Tesar P 86901
Tesch J W 30598
Tesche M 60213
Teschendorf R E 33807
Teschner D 12794, 29322, 55646
Teschner R 11452
Tesdall D 28121
Tesi L 27875
Tesic B 43205
Tesic D 45861, 54683, 54684
Tesic Z 90018
Teskey B J E 69761
Teskey H J 63868, 64439
Teslennikov D 4148
Tesmer 26722
Tessari D 6846
Tessi J L 67747
Tessier H 47934
Tessier J P 18819, 19131, 53530
Testa C 85126
Tester J R 77329
Testi B 20038
Teston A 13711
Testore F A 75038
Testov L L 80861
Teten'kin A E 79418
Teter N C 21697, 64979, 83225
Teterevnikova-Babayan D N 50146
Teternik D M 22611
Teterya H M 2156
Tetley G 22924, 57601, 86024
Tetro R C 7917, 41021, 49634
Tetsuka U 92772
Teuber P B W 53673
Teubner F G 52850
Teufel P 36375
Teufel R J 501, 15676, 53100
Teunissen D 8131
Teunissen G H B 3704, 91257
Teunisson D J 13914
Teuscher E 54023, 90729
Teuscher H 181, 182, 1822, 8252, 15806, 24027, 34835, 41464, 41465
Teuscher H 58713, 67513, 89092, 89093
Teuscher R 28711, 45681
Teute H W 19769
Teuteberg 69313
Teuteberg W 40519, 43076, 69314, 84520
Tevosov A M 11686, 19923
Tew J K 2497
Tew R P 14070, 22405, 73280, 73316
Tewari G P 70389
Tewari J P 8307, 33000, 33708
Tewari K K 1370
Tewari M C 2859, 2863
Tewari R C 70246
Tewfik H R 17619, 25142
Texas Agricultural and Mechanical College Dept of Agricultural Engineering 21752
Texas Agricultural and Mechanical College System 32217
Texas Citrus and Vegetable Growers and Shippers 39631
Texas Dept of Agriculture Div of Field Seed Certification 94019
Texas Education Agency Div of Vocational Education Agricultural Education 32218, 32219
Texas Farm Electrification Committee 13409
Texas Poultry Improvement Association 31480
Texas Sheep and Goat Raiser's Association 20431
Texas Technological College 45401
Texas Turfgrass Conference 34836, 43555
Texas University 22269
Texas University Cotton Economic Research 22270, 30874, 30875, 48267, 48268

	Item
Textile Institute	39569
Textor H	18550
Textor K	28349
Tezuka Y	39570
	68195
Thacker E	2169
Thafvelin B	46280
	55080
Thailand Central Statistical Off	15163
	32138
	32139
	40774
	49420
	58114
	66881
	76357
	85800
	85801
	85802
	85803
Thailand Dept of Customs	15402
Thailand Dept of Health Nutrition Div	7950
Thailand Ministry of Agriculture	76063
	85454
Div of Agricultural Economics	6094
Agricultural Statistics Sect	83595
Thain E M	55333
	73172
	88128
Thain R I	53756
Thaine R	16885
	42327
Thair P J	85254
Thakere K R	38396
Thakkar J K	22476
Thakor S C	40948
Thal E	54250
	54440
	71892
	80889
Thal H	66814
Thalenhorst W	37827
Thaler H	14506
	31416
Thaler I	16397
	86172
Thalheimer H H	71848
Thambiaiyah V S	27693
Thamboo S	26277
Thambugala L D	17324
Thames J L	90245
Thames W H	8413
	68081
Thamm H	27453
	46211
	71849
	80890
	81325
Thamm W	40277
Thammanna	25599
Thampi C J	78532
Thandavarayan K	25311
Thang M N	9177
Thangam M S	88446
Thapa R S	4771
	5627
	12660
	47253
	73904
	92240
Thapar H S	2685
Tharp B C	8253
Tharp B W	93429
Tharp W H	366
	88011
	88012
Tharumarajah K	5159
Thatcher F S	21852
	40118
	83510
Thatcher L E	89768
Thatcher M W	7832
Thatcher T O	73396
Thate R	41908
Thaung M M	8009
Thaxton E L	25407
	88366
Thayer P L	533
	8397
	77211
Thayer R H	3848
	3849
	3853
	3879
	3880
	6446
	20152
	28193
	37001
	72510
	72627
	80775
Theakston F H	21690
	21698
	56268
Theallet J P	16945
Theander O	77779
Theden G	19188
	35966
Theilen G H	63170
Theiler G	63869
Theilleux R	54560
Theimer O F	83217
Thein-Maung	10698
Theis T	384
	385
	50277
Theisen A A	35174
Theisen P	1924
Theiss F	41634
Theiss L E	1823
	34657
	51826
	88879
Thele R	50107
Thelin L	12910
Theloe G	40119
	63696
Thely M	11848
	53994
	54441
Themlitz R	26850
	44284
Thenabadu M W	35257
Thenius E	54984
Theodorides J	20670
	55647
	55729
	56010
	73651
Theowald B	5160
Theowald Brother	55784
Theret M	90802
Theron C J	84216
Theron E P	1612
Theron J G	29044
Theron J J	2343
	23655
Therond J	64388
	73652
	82335
Therrell J S	71162
Therrien G	5879
Therrien H	51375
Therrien H P	80448
Theune D	28748
	63978
Thevasagayam E S	5159
	37679
	37680
Thevenin L	34937
Thew T B	5592
Thewani A J	59964
Thi Ba L	24665
Thian R I	80090
Thiault M	17210
Thibaudet J	66365
Thibault B	43424
Thick J	77487
Thiede G	56092
Thiegs B J	11931
	28343
	83981
Thiel C C	5717
	64824
Thiel R	56316
Thiel T J	2461
	53002
	53009
Thiel W	84908
Thiele E	27608
Thiele H	73999
Thiele H U	55759
Thiele K	13210
	44285
Thiele O E	80449
Thiele O W	27463
Thielebein M	9526
	39819
	42586
	42613
	68664
	69284
Thielemann R	81712
Thielke C	77411
	88013
Thielmann E	44741
Thielmann K	26701
Thiem E	37746
Thieme B	56093
Thieme F	28624
Thieme H	27097
Thienpont D	11358
	27876
	65987
	71850
	91550
Thierer	74776
Thieret J W	8254
	15707
Thierfelder C M	57394
Thiergart F	76893
Thiery G	11359
	11360
	12398
Thiesenhusen W	47560
Thiesmeyer L R	71529
Thieulin G	65479
	84909
Thigpen J E	54231
Thigpen J E-- Cont	72067
Thigpen M E	7680
	23033
Thije J H Ten	67233
Thill A	10651
Thimann K V	8931
	16894
	25143
	51376
	51377
	67370
	68377
	87652
	88014
Thimm H U	14404
	15403
	48427
Thin C	36715
	62926
Thind K S	301
	15870
	41580
Thio Goan Loo	39212
	39213
	39214
	39215
Thiolliere J	15986
	59070
Thirgood J V	10621
	26919
Thirion P	31489
	75680
Thirkell-Johnston R	54891
Thirumalachar M J	284
	302
	8730
	59105
	77182
Thirup G	92990
Thistlethwayte B	622
Thobbi V V	81717
Thoday D	9178
Thoday J M	21242
	38172
	38214
	55824
	94831
Thode E F	71531
Thofern E	73397
Thøgersen O	21931
	59187
Tholstorf O	67088
Thom E	6281
	74885
Thom J R	66850
Thom M	54644
Thomae F	22412
Thomann W	6192
	30693
Thomas A D	92041
Thomas A F	11112
Thomas A J	3445
Thomas A S	32681
Thomas B	65941
	65942
	78129
Thomas B B	2923
	52675
Thomas B R J	30297
Thomas C A	17860
	25144
	52142
	59108
	60679
Thomas C H	1470
	17772
Thomas C H-- Cont	52300
Thomas C R	71436
Thomas D C	19456
Thomas D D	70470
Thomas D G	34837
	89094
Thomas D L	94076
Thomas D W	7725
	13490
	57939
	57976
	63838
	85593
Thomas E	49008
	54611
	54612
Thomas E A	86715
Thomas E D	11198
Thomas E H	76498
Thomas G	49714
Thomas G E	39037
Thomas G G	60726
Thomas G M	20920
	54442
	55285
Thomas G W	10033
	18045
	20576
	23847
	52566
Thomas H A	65582
Thomas H E	16152
Thomas H J	45616
	45636
Thomas H R	86725
Thomas I	41345
Thomas J	6496
	26690
	54303
Thomas J A	27877
Thomas J B	12295
	21119
	46306
	46769
	77827
	88015
	88244
Thomas J D	12457
Thomas J E	77187
Thomas J H	15708
	23900
	23901
	81120
Thomas J L	8213
	50813
Thomas J M	11920
	11921
Thomas J M C	86376
Thomas J R	10209
	18370
	18437
	34201
Thomas J W	3406
	72069
	80109
	90950
Thomas J & Co	83703
	83704
Thomas K	35448
Thomas K E	40875
Thomas K M	17620
Thomas L B	47783
Thomas M	78320
	88016
Thomas M C	12221
Thomas M D	75602
Thomas M M	74803
Thomas M R	1353
	9315

	Item
Thomas O A	80776
Thomas O O	19729
	19770
	90951
	91880
Thomas P	60916
Thomas P G	39037
Thomas P L	72883
Thomas P R	81718
Thomas P T	17211
	34532
	77902
Thomas R E	11558
Thomas R G	1269
	44441
	52851
	68992
	72861
	77726
	85768
Thomas R J	4142
	22774
	31481
	45038
Thomas R O	3405
	27668
Thomas R P	10480
Thomas R S	38242
Thomas R T S	55160
	64525
Thomas S	42328
Thomas S B	22037
	65542
	83802
Thomas S J	64568
Thomas S P	13853
Thomas T A	50058
Thomas W H	6655
	39725
	57041
	93617
Thomas W I	878
	9404
	17087
	43154
	60467
Thomas W J	53088
	66710
Thomas W O	52143
Thomas W R	39291
Thomasen H B	45816
Thomasius H	70334
	71067
	90170
Thomason I J	623
Thomason J	86025
Thomassin	66366
Thomasson K	41523
Thomasson R R	34626
	34838
	52059
Thomaston W W	43820
Thombre M V	76836
	78230
Thome K E	13874
	48100
Thome M	11336
Thomke S	55051
	57282
Thomlinson J	6791
	14250
Thomlinson J R	63198
Thomlinson S	34202
Thommen F	2602
	2638
Thompson A	72691
Thompson A E	39652
	69992
Thompson A H	60136
Thompson A T	65273
Thompson B D	78173
Thompson C A	10296
	44220
	52852
Thompson C O	6692
Thompson C P	22672
Thompson C R	36803
	87608
Thompson D A	58043
Thompson Sir d'A W	86139
Thompson D J	33808
Thompson D L	25375
	84521
Thompson E L	58128
Thompson E M	58335
Thompson E O P	6548
	84037
Thompson E R	57009
	58292
Thompson F B	43821
	89384
Thompson F W	39955
Thompson G A	82490
Thompson G B	4573
	12430
	37601
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	45531
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Thoroughbred of California	91299
Thoroughbred Record	36880
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Threadgold L T	92638
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	Item
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Tibbits F D	45813
Tibbitts F D	45405
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Tickner R W	56311
Ticknor R L	1209
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Tiittanen K-- Cont	12519
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Tikhomirova T V	13765
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Tikhonov I O	67748
Tikhonov I T	46212
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Timber and Allied Materials Development Association	90369
Timber Development Association	71468
Timber Trade Federation of the United Kingdom	53502
Timber Trades Journal and Sawmill Advertiser	62020
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	Item
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Tomasello R	92202
Tomasevic D	8698
Tomashevskaya E G	61242
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	Item
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	93828
Tomeo Ibarra H P	74748
Tomescu A	10746
	25148
	79228
	89999
Tomescu F	56550
	56578
	56580
Tomescu V	11687
	12296
	27406
	27456
	27457
	91119
Tomesku D	29864
Tometorp G	17591
	89177
Tomhave E A	28228
Tomic A	68956
	70619
Tomic U	75772
Tomicki Z	19926
	90732
Tomikura Y	41276
Tomilin B A	304
Tomilova V N	64033
Tomimatsu T	60338
Tomimura T	28054
	55131
Tominaga K	26549
Tomioka T	24443
Tomisawa J	82446
Tomita E	29569
Tomita K	81400
Tomita M	1396
	1397
	77828
Tomita T	25149
Tomita Y	84217
Tomiyama K	50419
Tomiyama S	13440
Tomiyama T	13449
	85134
Tomizawa C	81719
Tomka G	47946
Tomka O	44322
Tomke S T	40949
Tomko J	9229
	43033
Tomlin B	83443
Tomlinson A R	4018
	23763
Tomlinson G H	79523
Tomlinson J	84401
Tomlinson J A	33323
	33417
	50420
Tomlinson P B	836
	8792
	24668
	32682
	50814
	68387
Tomlinson P B--Cont	68388
Tomlinson P M	837
Tomlinson R	35947
Tomlinson W E	4708
	55515
Tomme M F	63135
Tomomatsu S	22441
Tomov A	71852
	73032
Tomov N I	69312
	69430
	88449
Tomova N	22340
Tompa K	26920
	26962
Tompkin J R	32013
Tompkins D C	35534
Tompkins E H	4837
	12709
Tompson A H	60214
Toms A M	76064
Toms W J	26350
	44224
Tomson C H	37309
	46298
Tomson E M	2344
Ton-That-Ngu	25491
Tonapi G T	5264
Tonapy G K	34567
	35412
Toncey S el	77178
Tonelli L	55319
Toner S D	93518
Tonev M	90713
	92042
Toneva V	45352
Toney R D	44946
Tong C K	53542
	90340
Tong J L	84910
Tong T H	26351
Tong Y L	40578
Tongson M S	46003
	46046
	91259
Toniolo L	52145
Tonkal' E Z	78733
Tonkinson L V	3848
	3853
	3880
	20152
	72510
Tonks N V	73309
Tonnard V	70472
Tonnelat J P	75666
Tono T	30878
Tono T P	43557
	43558
Tonolo A	8542
	9224
Tonshoff E	83738
Tontici G	83632
Tontz R L	32406
	67089
	67262
Toogood J A	2231
Tooi K	86234
Tookey H L	22347
	57493
Tool E A	77189
Toole A W	2948
Toole E H	33128
	42884
	44850
Toole E H--Cont	51381
Toole E R	2864
	19049
	24364
Toole V K	1274
	44850
	77662
Toom J	15677
Toorenaar G	9633
	35413
Toosey R D	69105
Tootell R B	23034
	57696
Topachevs'kii O V	8699
Topchiev A G	18869
Topfer K V	85919
Topham J	4463
Topilin D	11533
Topleninova K A	11324
Topliff J E	12016
	91386
Topol'skii E	76766
Toponi M	25150
Topor D	61033
Topor I A	73286
Topor V V	75959
Toporkov I I	76214
Topornina N A	43156
Toppari V	2937
	11050
Toppich E	36348
Topping C	24578
Topps J H	80191
Topshee G	67019
Torbin B F	57396
Torcasso V	49127
Torcasso V L	47406
	47830
	49277
Torchi G	64936
Torchio P F	5325
	5329
Torchyan A K	89387
Tordo G C	12700
Torell C R	62641
Torell D T	1597
	20352
Torell P J	89310
Torev A	60217
	89227
Torev A K	88021
Torge D	60917
Torgersen T R	92622
Torgerson T	32335
Torgeson E A	34842
Torii K	51047
Torin V S	2345
	10299
Toriya Y	19308
Toriyama K	935
	68526
Toriyama M	29912
	30014
Torje D	6840
Torlesse A D	38514
Torlone V	79925
	80536
	81326
Tornero Gomez J	25492
Tornow	14925
Tornow P	75603
Torok G	65245
	65345
Torok G--Cont	75238
	75239
	93568
Török L	70912
	89961
Toron T	71278
Toronto University Glendon Hall Laboratory and Garden	18664
Torossian C	5330
	38416
Torosyan S E	79926
Torp A	14192
	47531
	57195
Torp P	11006
Torpakov F G	30048
	90803
Torquat A de	40236
Torracca M	10430
Torrance L	43743
	51727
Torre A R da	67401
Torre L de la	3295
Torre y Callejas S L de la	37602
Torrealba J W	54561
	55250
Torrecabrera J	26550
	26551
	77079
	89526
Torrella Niubo F	6587
	22271
Torrent J A	81231
	81912
Torres A	1790
	94566
Torres J B	83371
Torres J F	19588
Torres S	23027
Torres S C A	37692
Torres Ferrer E	73251
Torres Juan J	33324
Torres Mas J	10272
Torres-Sepulveda A	9152
	52363
Torrey J G	50815
	51382
	68389
Torrey J P	37355
	91915
Torrico R A	53940
Torrie J H	60604
	85119
	88533
	90117
Torssel H	6394
Torssell B	8995
	78734
Torssell R	52855
Torto F G	34334
Tortorelli L A	90005
Tortorelli N	65989
Torvend P	34667
Toryu Y	3920
	28344
Tos-Luty S	27460
	32221
Tosa I	87223
Tosa T	35195
Tosco U	39653
	59335
Tosco Y	1623
Toseland D L	40023
	46299
Tosello A	47873
	82992
Tosello R N	35535
Tosev A	36701
Toshchev V	91645
Toshechev V P	75119
Tosheva Ts	92189
Toshima A	55187
	55984
Toshkov A	12699
Tosic M	24444
Toskov N V	89470
Toso C D	82993
Tosoni E	25377
Tosovic B	79093
Tossell W E	1569
	21771
	77848
Tossett O	44851
Tossev A	62896
Toste A H	77783
Tosun F	42166
Tot B	26602
Toth A	70850
	94170
Toth B	3408
	19422
	27291
	61961
	64986
	67090
	75667
	93203
Toth I	87179
Toth I I	19014
Toth J	69375
	89388
Toth L	71769
Toth M	14801
	45944
	54824
	61580
	70828
Toth Mrs S	28602
	72951
Toth S	19015
	28625
	28626
	46194
	46200
	54086
	55134
	72928
	79352
	81232
	91793
	91916
Toth S J	44287
Tóth-Baranyi I	54756
	72692
Toti F T	45074
	45075
Totolici N	84838
Totorcea N	91242
	91318
	91319
	91320
Totten D S	74164
Totten M L	30568
Totten R C	56315
Totth J	69617
Toubeau M	39216
Toubol V	84852
Toubro P	13334
Touchberry R W	5082
	19685

	Item
Touchberry R W--Cont	21176
Touchburn P S	28362
Touchburn S P	3881
	11907
	45903
	72502
Touffet J	32883
Touillaux R	17921
Toukalo J	93748
Toul V	69106
	69259
Toulgoet H de	38515
	64685
Toulson G A	35030
	89389
Toulson L	10855
	61778
Toumanoff C	46728
	82005
Toupet C	44445
	49278
	66838
Tourangeau F J	20850
Touratier L	54026
Tourbier M	22113
Tournay R	15810
Tournut J	54446
	91552
Tourte R	79724
Tourville D	6252
Toury J	41077
Tousey R G	6677
Tousley R D	38968
Toussaint A	31740
Toussaint F	17921
Toussaint W D	7680
	31605
	66254
Toussoun T A	8543
Toutant J	83984
Touye	83665
Touzaa G	41712
Touzard J	88022
Touze A	24365
	50421
	59072
Touze-Soulet J M	59073
	88246
Tovar Andrade A	7553
	17008
Tovarova I I	69237
Tovbin I M	22735
Tove S B	11491
	54908
Tovey R	18422
	53004
	61626
Tovey T	18433
	21762
Tovia T	77459
Tovmasyan A S	88023
Tovmasyan O V	42885
	59695
Tovornik D	73171
Tovstik M	9382
	60918
	88450
Tower B A	12383
Tower C H	66172
Tower J A	14926
Towers G H N	1313
	9233
	51502
	60289
Towler M J	4619
Town Milk Producers' Federation of New Zealand	40689
	76273
Towne E E	6319
Townend P P	6487
	93519
Townend R	47668
Towner J W	8847
Townes H	12978
	38417
	47121
	64569
	92564
Townes M	38417
Townsend A C	58503
Townsend C C	183
	67514
	67515
Townsend C E	60587
Townsend D L	2804
Townsend F R	84523
Townsend G F	37902
	73457
Townsend H G	73084
Townsend J C	65837
Townsend L R	27878
Townsend M	62114
Townsend M J	12198
	55009
Townsend M M	85720
Townsend P P	56905
Townsend T W	22055
Townsend W H	5771
Townshend F	6320
Townshend J L	33454
	50560
	50561
Townshend-Zellner N	30209
Townsley W W	24395
Townson R S	91260
Toxopeus H	59743
Toxopeus H J	25858
Toy-Riont M	93940
Toyama K	48986
Toyama N	84386
Toyama T K	33809
Toyoda K	16970
Toyoda S	59074
Toyofuku R	43823
Toyofuku Y	21244
	29482
Tozzi R	89890
Tozzini A	45844
Tozzini F	90677
Trabauer F	30740
Traber H	79372
Traberg E	43300
Trabert K	47592
Trabold N	63075
Trabut G	77861
Trace J C	45845
	24547
Trach V N	63530
	63531
	63532
Traci C	10466
	26910
	89924
Tracy P H	6395
	22011
	65543
Traeder D H	6892
Trager W	12007
Trail J C M	32065
Trail J C M--Cont	80723
	80925
	91378
Traill W J	7395
Train G	19589
Trainer D O	72586
	80452
	81595
Trainina T I	6040
	31194
Trainor F R	1275
Traitteur-Ronde G	35217
Trakhanov D F	32512
Tralau H	58558
Tramel J L	9405
	25378
Tramel T E	49285
	51612
	75847
Tramena J	88483
Tramier R	59075
Tramontana A	7554
Trampler T	18826
Tran ba Nghiep	19423
Tranger B	43639
Transtrum L G	45506
Transvaal Chemical Manufacturers' Association	30156
Trant G I	15048
	22775
	40120
	40690
	66596
	67101
Trantanella S	39735
Trantow L H	26786
Traore O	19590
Traphagen F	13224
Traphagen M P	1998
Trapp A L	62493
Trapp E E	27717
Trappe J M	503
	26127
Trapy G	60218
Trask A B	85594
Trask E E	43392
Tratnig-Frankl E	46196
Trattel G C	49343
Traub E	80698
Traub R	4575
	55355
	64274
Trautman J	71967
Trautman R	45353
Trautman R J	20035
	62357
	63456
	88077
Trautmann H	81199
Trautwein	76753
Trautwein G	36349
	54595
	81121
Trautwein G W	36350
Trautwein K	75668
Trautwein M W	49009
Travaglini A	80690
Travassos J	53885
Travassos L	64317
Travassos L R	62355
Trave J	4961
Traven' F I	19069
Traver J R	73915
Travers W W G	26921
Travin I S	60588
Travis H F	3722
	3723
	36845
	36854
	36865
	54592
Travleev A P	18869
Travnicek J	54994
	63654
Trawinska J	46282
	46414
	63870
Trawinski A	46281
	46414
	63870
	71853
	84707
Traylor H D	75363
Traylor J A	24448
Traylor M A	4502
Traylor R E	10852
Trbic B	37413
	54647
	91917
Treacher R J	63077
Treadway R H	6731
	48351
	48443
	84291
	84371
Treadway S	36439
Trebichavsky V	53129
Trebst A	88247
Trebushenko P D	34938
Trecker E W	19073
Treece J M	13766
	45454
Treece R E	4576
	4615
	55379
	55548
	81596
	81597
	92120
Trefethen J B	8058
	15507
	44905
Trefna E	26369
Trefny J	66966
Treggi G	9183
	24366
	51383
Tregubenko M Ya	31530
Tregubov N N	93749
Tregubov P S	18400
	70698
Tregubov V	71126
	87224
Tregubova N G	12008
Tregunna E B	1276
	34205
Trehan K N	37681
Trehearn B L	85076
Trehen P	46283
	46966
Treherne J E	5584
	13070
	29775
	29776
	37766
	37999
	82853
Treiber	30684
Treiber E	27122
	65660
Treimer W M	40354
Treinis A M	90439
Trejos A	9972
Trela S	81233
	90527
	90558
Trelease F J	26552
Treleaven D H	84524
Treloar D W G	49403
Tremaine J H	8610
	8614
	16153
	16154
	33418
	50518
Tremazi S A	34206
	77729
Tremblay E	92521
	92522
	92623
Tremblay R H	94528
Tremewan W G	5530
	5531
	5532
	5533
	5534
	5535
	13041
	29737
	82799
Treml' A	92140
Tremola E	46498
Tremolieres J	67108
Tremolieres M	94567
Trempel L G	48101
Trenchard Viscount	48606
Trendelburg R	58474
Trendell E M	7555
Trendota M	83839
Trendtel	27458
	30599
	41078
Trenhaile S I	76693
Trenina V	9443
Trenk F B	2692
Trennerry R E	17535
Trenti F	80541
Trentin A	88451
	94020
Trentini R	37748
	81720
Trento Ispettorato Provinciale dell'Agricoltura	84177
Treon J F	28752
Trepachev E	25364
	70658
Trepachev E P	52856
	52857
Trepenenkov I	92949
Trepte H	74304
Treptow U	69431
Trescher K	32338
Treshchevskii I V	61852
Treshow M	37682
Treskova V	68082
Tressens F	46899
Tressler D K	57109
	57110
	57111
	57112
	58354

Trestrail R W Item 18713
Tretter A 25783
Tretyak Yu D 61736
Tret'yakov N N 12158, 13395, 18402, 63533
Tret'yakova A A 36173
Tret'yakova K E 69118
Tret'yakova V Yu 2936, 90423
Tretzel 79229
Treu P 22012
Treus V D 27224, 72400
Trevett M F 17811, 17810, 17812, 25945, 25946, 52313, 52314, 52315
Trevijano Molina S 26553
Trevino H A 5181, 5186
Trevisan M 42886
Trevisi S 23056
Trevoga I A 62616
Trew D M 18827
Trew E M 18371
Tri-State Packers' Association 6732
Tri-States Oil Mill Superintendents Association 7113
Tribble H R 37357
Tribble L F 12252, 46170, 46184, 46185, 46213, 55067, 63555
Tribble M 30107
Tribble R T 61633
Tribe D E 4094, 28533, 91652, 91672
Tribot R 24669
Tribulkin P 80140
Tribunskaya A Ya 70390
Trice H M 7447
Tricoire R 65018
Trieste Camera di Commercio Industria e Agricoltura 94154
Triffitt L K 91646
Trifiro E 31062, 56980
Trifon R 23309
Trifonov D 86944, 86945, 86946, 86947, 87092
Trifonov S 12159
Trifu I 94094
Trifunovic D 71068, 79178
Trifunovic Z 20193
Triggs M 58046, 66483, 94250
Trillat J J 22272
Trillhaas J 40620, 74473, 85662
Trillo Trillo F 91120
Trimarchi G 27600, 72071, 80777
Trimberger G W 13719
Trimble G R 35748
Trimm S 23522
Trinick J M 65346
Trinidad and Tobago Central Statistical Off 13594, 23637, 83596
Trinidad and Tobago Cocoa Board 30429
Trinidad and Tobago Health Dept Malaria Div 4577
Trinio R T 1277
Trinkler Yu G 42887, 88024
Trinks H 26691
Trinks R 19092
Triola P de la 25859, 63962, 78174, 84387
Trione S O 9180
Tripaldi N M 54645
Tripathi R D 48471
Tripathi R K 34450, 48747
Tripathy N 27141
Triplehorn C A 37616, 46900, 55388, 55435, 73252
Triplett G B 52858
Triplett J D 52984
Tripp G E 83511, 93114, 93115
Tripp H A 82436
Tripp J O H 7638
Tripp N R 18589
Tripp V W 11111, 65605
Trippi V S 9180, 18763
Trishkina E T 12297, 37414
Trisoldi A 65746
Trist P J O 26603, 58714, 64389
Tristram G R 75409, 75410
Trisviatskii L A 93750, 14276, 48898
Triulzi G A 83944
Trivedi A M 10130, 18217, 26087
Trivedi J B 23213
Trnka K 29827
Trnka M 7639
Trobitz H K 27009
Trocme S 10300, 26352, 34207, 42888
Troeger R 71279, 79353
Troelsen J E 11363, 20348, 28525, 81043, 81082, 81234, 81235
Troendle A 49295
Troesch H A 65424
Trofimenko B S 74606
Trofimov I I 18552
Trofimov V P 54825
Trofimovskaya A Ya 25379, 25380
Trogdon R P 56045, 82914
Trogdon W O 44288
Troger R 504, 9184, 25151
Troitskaya O V 69107
Troitskii A I 35258, 35260
Troitskii I A 20068, 20079, 20317, 20349, 20350, 20424
Troitzsch R 38637
Trojan O A D 61177
Trojan P 64461, 82437
Trojanek J 43034
Trokhachev M E 27159
Troll H J 16489
Troll J 52316, 52317, 60996
Troll W 33737, 59643
Trolldenier G 88025, 88065
Trombetta M 41022
Tromp H 45008, 61697
Tromp L A 40196, 48944
Tromp P H M 71163, 71164, 79261, 90171, 90172
Tromso Museum 67166
Tronchet J 25152, 88026
Tronchuk I 27671
Tronco G 53423, 53503
Troncoso N S 32865
Tronicke R 81327
Tronická E 52146, 88027
Trono G C 77006
Tronov B V 46415
Tronov V N 37788
Troost G 21980
Tropin I V 20922
Tropina L P 69108
Troshikhin V A 36832
Troshin I P 45533
Trosko B K 3973
Tros'ko U I 40061, 57366
Trossen J 3835
Trost W 15517
Trotha W von 94696
Trotsenko I D 51803
Trotsenko N I 63534
Trotter C E 49279, 57196
Trotter D M 19927
Trotter F E 43341, 43824, 69679, 70098
Trotter P C 71532
Trotzig E 23808
Troubetzkoy P 60708
Trought T E T 8398
Troughton A 16753
Trouillon M 41713
Troup L G 94915
Troupin G 24028, 24029
Trousdell K B 2628
Trouse A C 44323
Trout G M 13772, 48102, 56803, 65504, 93350, 93404
Trout P 27136
Trout S A 30301
Troutman J L 67932
Trouve C 57397
Trowbridge E A 76430
Trowell G F 69109
Troxell H E 19225
Troyer J E 25255
Troyer J R 9185
Truax T R 27109
Trubitsina G I 28430
Trubitskii G F 625
Trubnikov A B 67749, 74185, 74189, 74190, 74191
Trubnikov V F 14638
Truckenbrodt G 16087
Trudgian K G 4650
Trudolyubava G B 22618, 7016
Trueb E 19070
Truelove B 77730
Truelsen T A 8963, 9186, 9187, 93165
Trueta J 19591
Truffert L 47669
Truhaut R 58385, 65175, 74489, 83489
Truijen W T 12298, 20534
Trujillo T T 63061
Trujillo C J 89771
Trujillo Garcia P 12372
Trujillo Quintero E 77731
Trujillo R R A 54564
Trukhanovskii D S 67321, 71280, 79354
Trukhinova A T 43157
Truluck T D 74968
Truman L C 12431, 15953, 20873, 20923, 29133, 37828, 46632, 55356, 73124, 74494
Truman R 18911
Trumbo D A 57197
Trumic P 28156
Trumper P W 22993, 40767
Trunov N P 17088, 53005
Truog E 18026, 34358, 52567, 60219
Truscott R B 3910, 37104
Trusov A 93520
Trusov P F 79418
Trusov V P 62055
Trusova N R 60220
Trussell P C 71448
Truswell A S 49742
Truszczynski M 4290, 55135
Truszkowska R 26186
Trutat B 32066
Truter E V 4118
Truyen W T 81236
Tryapichkin S 13211
Tryapitsyn V A 12979, 73792, 92565
Trylich C 3968, 28243
Tryndin I 83062
Tryon E H 27165, 53424, 71281
Tryon R 23930, 76988
Tryphonas L 91121
Trzcinski T 68660, 78735
Trzcinski W 9547
Trzebinski J 24367, 24368, 69260, 78004
Trzecki S 68832
Trzecki S 69110
Trzincinski T 88028
Trzopkowa I 63407
Tsabolov R G 17361
Tsacas L 21245, 21246
Tsai F T 31587
Tsai K H 34451
Tsai L S 46967

Tsai M T Item 75716
Tsai P 2346
Ts'ai P H 38149
Tsai Y H 48918
Tsai Y P 37683
Tsaj K S 31574
Tsakunov V V 66711
Tsalkin V I 12160
Tsamalashivili M V 70706
Tsamutali A 85316
Tsamutali A S 35536
Tsan 7365
Tsang A H H 76065
Tsankov B 88951
Tsankov G 20924
37835
Tsanov T 4225
Tsanova P 16088
33317
Tsao C C 38179
Tsao C H 28782
29047
46596
Tsao D P N 9188
Tsao M U 51570
Tsao P H 67933
Tsao P W C W 77262
Ts'ao T F 66851
Tsap M L 70305
Tsapenko G V 27583
Tsarev S G 91349
Tsareva L A 16621
87972
Tsareva R I 69097
69100
Tsatsenkin I A 43304
Tschapek M 26088
52445
Tscharner H von 56581
Tschermak-Seysenegg E 86235
Tschesche R 16971
25256
Tscheschner P 23214
Tscheuschner I 67126
Tschieret F X 22114
Tschiersch B 77829
Tschoegl N W 22537
Tsedik-Tomashevich Z F 88387
Tseitlin M G 25673
51384
Tselishchev L I 11688
27879
36727
Tselishchev S P 735
1398
Tsellarius I K 3202
Tsel'niker Yu L 51437
Tseloval'nikov A I 91122
Tselykovskaya E A 93084
Tsen C C 65945
Tseng C F 22893
Tseng R H 7290
48945
Tsentral'naya Laboratoriya po Karantinu Sel'skokhozyaistvennykh Rastenii 15954
Tsenzura A I 14595
Tseplyaev V P 44601
61762
Tserling G I 53425
Tsetsinovskii V M 57494
Tsfasman Ya M 40735
Tsien W S 4075
11701
Tsikov D 25381
Tsikova E 25122
Tsikurina N N 89517
Tsimokh P F 28345
Tsinger N V 69233
69234
69261
Tsiprush R Ya 65771
Tsirul' V A 31540
31588
Tsitsin N 88452
Tsitsin N V 24763
37749
67934
69262
81721
Tsitsine N 87471
Tskhakaya K E 59644
Tskhovrebashvili G G 34320
Ts'o P O P 16976
77732
Tso T C 16754
51385
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Tsoi G L 31967
Tsoi R H 84039
Tsoi V 69432
Tsokolenko D T 91350
Tsolov V 11689
Tson K T 39761
Tsonev I 89432
Tsonev I K 85089
Tsonev L K 85109
Tsonev Ts 25403
Tsonkov Ts M 54732
54854
54855
Tsotsov I 93543
Tsubahara H 91510
Tsubo Y 16479
50816
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Tsuboi A 59907
Tsuboi Y 704
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Tsuchiya M 74246
89471
Tsuchiya T 31417
33810
Tsuchiya Y 1382
Tsuda K 35840
Tsuda M 68197
Tsuda S 16377
33738
Tsugane T 85087
Tsugawa C 20851
81814
Tsuge T 60222
Tsugita A 50495
Tsugo T 6363
22038
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Tsuguliev V 2793
Tsui Y C 76338
Tsuji K 86097
Tsuji M 3711
Tsuji S 31589
Tsuji W 39572
Tsujimura M 6162
Tsujita M 73501
76895
Tsukahara S 51230
51231
Tsukahara T 30426
56577
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Tsukamoto M 28813
Tsukamoto Y 88029
Tsukano Y 73253
73254
Tsukervanik I P 88487
Tsukidate K 78533
Tsukuba H 88453
Tsukunaga S 80724
Tsukurs T M 705
Tsukutani K 42923
Tsulaya V I 26835
60680
60840
Tsuneki K 55910
55911
Tsunematsu S 26379
30016
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Tsunematsu S J 83063
Tsunewaki K 893
24764
Tsunoda K 1278
Tsunoda S 60391
Tsunts Z 83314
Tsur I 62928
Tsura A A 73216
Tsurkan I P 25630
Tsurkan M 70650
Tsuruta O 84525
Tsutsui M 71028
Tsutsumi C 13098
77724
84208
84489
Tsutsumoto T 2898
53629
Tsuyama H 86992
Tsuzuki K 64958
74225
85085
Tsvelev N N 15715
15809
15811
Tsvetkov A I 75195
Tsvetkov D 92121
92122
92189
Tsvetkov I D 45076
Tsvetkov M I 69433
Tsvetkova A G 24376
67935
Tsvetkova L 39976
Tsvetkova Ts 93762
93951
Tsvetoukine V 84328
Tsvileneva V A 29323
Tsya D L 26395
Tsybenko M 49280
Tsybul'ko M P 40691
Tsybul'skii G M 45675
Tsydypov B 53804
Tsygankov S K 37750
Tsyganov A Ya 56582
Tsyganov V A 86378
Tsymbal M M 24369
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Tsymek A A 44589
Tsynkov L Yu 45675
Tsynkov M Yu 62619
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Tsypkin T I 15037
Tsyplenkov E P 91992
Tsyplenkov V P 89527
Tsyrulik M I 18373
Tsytovich K I 34208
40154
Tsyunskaya T A 72244
72245
Tsyurupa I G 18134
52500
Tszya D L 78875
Tu A T 59158
Tu C C 48904
48932
48946
48947
Tu Y I 39938
Tuazon J 49695
Tubb J A 60468
Tuboly L 67936
Tubylewicz H 34035
Tucakov J 41466
70158
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Tuchkova T G 73502
Tucker B B 52501
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Tucker C E 84251
Tucker D M 22333
Tucker E M 81044
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11534
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Tucker J O 80453
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Tucker R R 79378
Tucker S A 22600
Tucker T C 17149
52737
Tucker V 40950
Tucker W E 80582
Tuckermann F 57697
Tuckett A J 43825
Tucovic A 26882
Tucra I 80192
Tudor D 20521
Tudor S 53044
Tudorache G 93222
Tudosie A 51996
Tudosie A D 88969
Tuemmler F W 23427
Tueva O F 69111
Tuft T O 31096
Tuganaeva N Kh 44052
Tugendhat C 67091
94790
Tuggle H I 34843
Tugwell P 73179
Tukalevskii I M 12520
Tukallo J 31195
Tukalova E 70659
Tukamoto Y 26967
Tukey H B 22319
23689
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Tukey R B 33739
67025
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Tukhmanyants A A 62929
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Tukker J G 57442
Tukovskaya V V 18553
Tulaikova K P 70391
Tulashvili N D 92123
Tulecke W 8168
51572
88252
Tuli V 14148
84323
Tulikov A M 9876
9877
Tulippe O 49443
Tullander V 54233
Tullin V 69112
Tullis E C 41911
Tullis J E 64477
Tullis W R 7644
Tulloch A P 88248
Tulloch B R 72486
Tulloh N M 3581
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19928
62930
Tully J 67026
Tulp A S 27
Tulstrup N P 19016
Tulupnikov A I 23215
Tulupov Yu 17625
51386
Tulyakanit C 26353
Tulyakov B V 45102
Tulyayon N 22273
48570
Tuma H J 36728
Tumadzhanov I I 42167
Tumadzhanov I N 58559
Tumaikin N 7681
Tumaikin N S 89814
Tumanov I I 9189
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Tumanyan K G 85317
Tumasonis C 92523
Tumblad B 55516
Tumbleson M E 1279
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Tumerman L A 88030
Tumibay D O 45683
Tumka A F 12299
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Tung C P 37603
Tung H L 69024
Tung J 33734
Tung S T 49198
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Tunik B M 17973
Tunis W D 41660
Tunisia Service des Forets 84122
Tunkl B 19929
19930
Tunks F E 22161
23035
Tunmann P 31483
75670
Tunnicliff E A 91732
91733
Tunstall J P 20781
Tunstell G 52687
Tuomikoski R 29483
38244
Tuong C C 34270

	Item
Tupajic M	80103
Tupenevich S M	17626
	58907
Tupitsyn D I	43374
Tupper G	56137
	69489
Tuppy H	42040
Tupy J	42637
	42889
Turala K	16398
Turancic V	11550
Turbanova A D	36029
Turbas E	61178
Turbin A	78909
Turbin B G	29865
Turbin B I	92720
Turbin L M	19592
Turbin N V	69434
	69995
Turbyev G T	70173
Turc L	61581
	78369
Turcany J	89815
Turcek F	79355
Turcek F J	16271
	37829
Turchin F V	18374
	44531
	89740
Turcotte E L	69466
Turecek K	36703
	62815
	62931
	72247
Tureen L L	28473
Turelle J W	18115
Turenkov N I	43927
Tureson L O	67273
Turesson G	87225
Turetskaya R Kh	68597
Turi I	70225
Turi J	45534
Turi M R	93946
Turi R M	28361
Turian G	43036
	50817
	77387
Turian G F	50818
Turica A	20817
	64021
Turin Istituto Zootecnico e Caseario per Il Piemonte	27501
Turk D E	28202
	45920
Turk K L	13719
Turk R D	36254
	80660
Turk Z	71389
Turkevich I V	61763
Turkey Istatistik Genel Mudurlugu	15404
	32407
	40775
	41023
	41024
	56524
	65274
	76573
Turkina M V	34209
Turkiye Cumhuriyeti Ziraat Bankasi	14718
Turkot V A	22546
Turkovic Z	34686
	60727
Turkowska W	80503
Turley D L	28979
Turley H G	66087
	75489
Turley R H	70585
Turlygina E	8640
Turnbull A L	4442
Turnbull C	22894
	31590
Turnbull D	14554
Turnbull J	57779
Turnbull N R	72350
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Turnbull R	39868
Turner A H	58294
Turner A W	3582
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Turner B L	33755
	41467
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Turner C	57602
Turner C B	54934
Turner C N	74305
	74366
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Turner C W	3541
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Turner D H	1399
Turner D N	45535
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Turner E C	12432
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Turner E E	62932
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Turner G D	11694
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Turner G H	207
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Turner H D	11089
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Turner J H	28462
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Turner J L	1703
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Turner J R G	5536
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Turner J S	34211
	87226
Turner L H	41972
Turner L W	11666
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Turner M S	90376
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Turner R	31782
Turner R C	52446
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Turner R J	40951
Turner R O	38868
Turner R R	27233
Turner S E	80193
Turner T	72351
Turner V	54646
	54826
Turner W F	63996
Turner W L	14927
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	40324
Turner W T	23638
Turnipseed G F	50163
Turnipseed S G	64390
Turnock W J	81897
urnowska-starck Z	88031
Turnquist O C	48899
Turnquist P K	74134
Turov G S	69295
Turovtsev N I	17362
Turowski W	70099
Turpeinen O	63200
Turpeinen P	63200
Turpin R	85720
Turquist O C	50202
Turquois D M	19593
Turrell F M	1401
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Turrent A F	89726
Turri E	33133
Turrill W B	15812
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	50092
	50093
Turski R	70307
Tursunkhodzhaev T L	89774
Tursunov P T	19564
	63848
Tursunov S	68548
Turton A G	35259
Turtschin F B	18116
Turtsevich L F	65780
Turubatovic R	28156
Turubiner A M	66712
Turudic V	54647
Turunen J	19331
Turyanskii G F	44446
Turyna Z	2255
	70503
Tusa C	16058
	33158
	41745
Tusa G	42488
Tuschhoff O	20969
Tushnyakova M M	42891
	42892
Tusimura K	52627
Tustian M W	17813
Tustin R C	19932
Tuszkiewicz A R	66967
Tutarov G A	28713
Tutayuk V Kh	42330
	59645
	59646
Tutevich M	92124
Tuthill D F	22574
Tuttle D M	17149
	12604
Tuttle E L	21247
Tuttle N C	53638
Tuttle S G	32455
Tuttle W	31196
	39869
Tutuncu D	25153
Tuveson R W	50819
Tuxen R	77347
Tuxen S L	5652
	5653
	5654
	21515
	21516
Tuxhorn W	62482
Tuyn P	144
Tuz A S	51964
Tuzet O	58904
Tuzimura K	61243
Tuzson G	48948
Tuzson I	24873
	94830
Tuzson T	19133
Tvedt J	26641
Tveitnes A	15038
	51804
Tverskoi G B	19933
	54975
Twamley B E	5775
Twardock A R	4151
	37279
Twardowicz-Jakusz A	42041
Twardowski K	3892
Twarog J M	13740
Tweedie R	67371
Tweedy B G	59076
	59077
Tweeten L G	93751
Twigg B A	30994
	47656
Twigg G I	86718
Twine J R	30146
Twiss P T G	5880
	6693
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Twisselmann E C	17814
	32866
Twist T K	67751
Twomey J P J	85596
Tyagi B N	51659
Tyagi R N S	58805
	59013
	67632
Tyagi R P S	20421
Tyagny-Ryadno M G	89563
Tyamin V V	27285
	60224
	88032
Tyankova L	24961
Tyanutov A	57643
Tyapkina E	57977
Tyberghein R	32408
Tyburczyk M	80953
Tydeman H M	1280
	9585
Tyktin N V	68083
Tylecek J	28229
	72594
	72693
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Tyler C	7171
Tyler D E	27328
Tyler J D	85239
Tyler J E	9317
Tyler J F C	39644
Tyler K B	52859
	52860
	89775
Tyler L E	70473
Tyler M J	73584
Tyler P S	73654
Tyler V E	9220
	16891
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Tyler W E	14395
Tyler W J	3283
	11417
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Tyler W S	45595
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Tylzanowski J	92721
Tyndel J	11691
Tyner E H	52722
Tyner L E	10094
	32683
Tyra T D	53009
Tyrer A A	19189
	10973
Tyroler W	56957
Tyrrell B	3632
Tyrrell C	4651
Tyrrell C G	32684
Tyrrell D	15446
Tyrtikov A P	89472
Tyshchenko V P	92294
Tyshkevich G L	79628
	90491
Tyson I H	51728
Tysser H F	32409
	75087
Tysset C	6910
	62348
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Tyssø J	66529
Tyszka J	70926
Tyszkiewicz E	77556
Tyszkiewicz J	93474
Tytarenko O O	70159
Tytss A	88923
Tyukanova L	59392
Tyulenev I A	78910
Tyulina L N	87227
Tyul'panov A	2428

	Item
Tyul'panov N	91287
Tyul'panova A F	28078
	54589
Tyumentsev N F	18375
	60469
Tyumikov S S	64075
Tyupko V A	70092
Tyurdeneva S A	70502
Tyuremnov S N	86360
Tyurin I V	18226
Tyurina E V	68391
Tyurina L V	47874
	56583
Tyurina M M	60225
Tyuryukanov A N	16801
Tyutin A	79725
Tyutin V	15039
Tyutyunik A F	50820
Tyutyunnik A E	88698
Tyutyunnikov B N	57398
Tyuzneva O B	27177
	90442
Tzali B	47935
Tzianabos T	46040
Ubach M	51388
Ubaidullaev Kh	57396
Ubaidullaev U	68392
Ubbels J	6331
Ubbels P	54856
Ubbink W A	32119
Ubeda Molina J	35749
Ubeev A D	91122
Ubels E	25382
Uberoi N K	47200
Uberreiter O	28123
	54562
Ubertalle A	47933
	80974
	80989
	80990
	80991
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Ubertini B	36729
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Ubing D W S	5869
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Ubrizsy G	1966
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Ubukeeva A U	8179
Ucciani E	75604
Uchida H	82915
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Uchida S	45230
Uchida T	4776
	21044
	31591
Uchida T-- Cont	55213
	55912
Uchijima Z	1281
	69435
	70829
Uchiyama N	18227
	52568
Uchiyamada H	25323
Uda K	75040
Udachin R A	69113
	69436
	85769
Udagawa T	79379
Udall S L	2572
	23382
	66713
Udar R	8059
	32891
	69263
Udaybhansinhji	94568
Uden N van	37415
	86588
Udilov V I	19120
Udine E J	55594
Udintsov P	24370
Udo S	25973
Udovenko E Ya	85597
Udovichenko V G	53461
Udris A	63092
Ueberschar S	62933
Ueckermann E	10808
Ueckert B W	80660
Ueda H	7100
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Ueda T	84853
Uegaki T	79625
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Uemura S	10095
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Uemura Y	1266
Ueno H	46092
Ueno J	77412
Ueno K	39217
Ueno M	56042
Ueno S	6588
Ueno S I	82337
	82338
Uesaka S	80454
Uesugi T	68181
Ueyama A	53583
Uffelmann H	11784
Uffen R W J	5162
	5537
Uffen R W J-- Cont	5538
Ufimtseva K A	18176
	18228
	78483
Uganda Coffee Marketing Board	39218
Uganda Dept of Agriculture	67167
Research Div	8107
Uganda Dept of Co-operative Development	7833
Uganda Dept of Veterinary Serv and Animal Industry	79927
Uganda Forest Dept	2573
	2574
Uganda Lands and Surveys Dept	7640
Uganda Ministry of Health	63871
Uganda Tsetse Control Dept	92044
Ugerup Statens Forsoksgard	15040
	25286
Uggetti M	45395
Uggla H	26604
Uglov P D	60086
Uglov V T	6325
Ugolev B N	79475
Ugolini A	33135
	50239
Ugorski L	80600
	81124
Uh S C	78736
Uhe G	57
Uherko J	66007
	84641
Uherkovich G	24065
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	68198
	77348
Uhl C H	8256
Uhl D E	93681
Uhl E	39001
Uhl H	40876
Uhl J J	94095
Uhle H J	30493
	30569
	30570
	39252
	39321
	39322
	39323
	39347
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Uhlemann G	72937
	91261
Uhlemann R	73033
Uhliar J	25227
Uhlig B	9779
	43560
Uhlig S	17922
Uhlik J	24670
	24671
Uhlirs J	14736
	49051
	75901
Uhlmann S	47315
	83064
Uhlmann W	28675
Uhmann E	12849
Uhmann E-- Cont	12850
	46901
	82339
Uhring J	50684
Uichanco J B	45683
Uichanco L B	92203
Uitewaal A J A	17536
Uitterlinden L	88033
Ujevic I	41913
	86949
Ujike T	78642
Ujlaki Mrs L	86281
Ujvarosi M	60954
	60998
Ukhina S F	51300
Ukholina R S	67318
Uklein A I	18554
Uklein A S	69618
Ukolov A A	50821
	88454
Ukolov V S	13284
	57495
Ukrainskii Nauchno-Issledovatel'skii Institut Sakharnoi Promyshlennosti	14625
Ukrayins'ka Akademiya Sil's'kohospodars'kykh Nauk	88781
Ukrayins'ka RSR	57644
Ukropina-Panic V	11634
	36644
	37253
	80373
Uksip A	67516
Ulacco H A	15110
Ulanov F S	70660
Ulanova E F	20998
	37942
Ulanova E S	60055
Ulasevich P S	28526
	28527
	36266
Ulashchik N N	67259
Ulberg L C	4099
	27880
Ulbrich F	83241
Ulbrich M	36540
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Uldal B	15111
	52147
Ulehla J	42893
	51389
Ulehlova B	26128
	52628
Ulianowa O M	87700
Ulicny J	71282
Ulinici A	89670
Ulinski G	77733
Ulish V B	58190
Ullah M R	34254
Ullah T	44137
Ullah W	10152
Ullal N V	65661
Ullberg L E	62788
Ullerich F H	12904
Ullerup B	31531
Ullevalseter R O	53584
Ullivarri D F de	77294
Ulloa G	72080
Ullrey D E	12270
	63658
	72969
Ullrich C	10034
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Ullrich H	34212
Ullrich J	43037
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Ullrich K	28056
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Ullrich R	82362
Ullrich W	28057
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	63171
Ullstrom K E	1679
Ullstrup A J	8399
Ulmann R	63373
Ulonska E	6841
	9406
	39870
	43159
Ulrey D E	63599
Ulrey I W	6681
Ulrey O	15340
Ulrich	53296
	90246
Ulrich A	1282
	60021
	89776
Ulrich A E	34687
Ulrich B	16755
	52547
	61179
	78394
Ulrich H	5163
	5164
	21248
Ulrich J M	51390
Ulrich R	48481
	51391
	52677
	94112
Ulrich W	23325
Ul'rikh N N	57511
Ulrychova M	16155
	29551
	50471
Ulst V	36730
	45684
Ulster Farmers' Union	7815
Ultuna Lantbruksskolan	23523
Ulubekova M V	69211
Uluocak N	88699
Ulvesli O	27292
	45233
	62661
Ul'yanishchev V I	86589
Ul'yanitskaya M V	92190
Ul'yankin A M	21600
Ul'yankin I P	64992
Ul'yanov A	30059
	47561
Ul'yanov A F	13157
	13158
Ul'yanov P	91124
Ul'yanov S D	64318
	72885
Ul'yanova A	91124
Ul'yanova L S	20782
Ul'yanova M S	34256
Ul'yanova O M	26129

	Item
Ul'yanova O M--Cont	61244
Ul'yanova T N	89892
Ulyatt M J	91671
Umaerus F	1442
Umaerus M	1442
	1537
Umali D L	75364
	77426
	88339
Umali D M	40877
Umana R	34075
	60007
	60059
Umanskii L A	76234
Umarov A U	75512
	93920
Umarov Kh U	60227
Umarov M U	63408
Umarov N	62703
Umarov R	94251
Umbarger E	88145
Umbreit W W	41080
Umeda M	54648
Umeda S	47363
	92773
Umeda Y	70302
	78905
Umemoto H	91220
Umemoto Y	31472
Umesao T	49978
Umeya K	46902
Umezaki I	32936
	41524
Umezu M	7641
	18214
	54234
Umhauer M	25608
	34637
Uminski J	27460
	27461
	28084
	32214
	32221
	32224
Umphlett C J	46985
Umstott H D	22538
Umuraliev M	15041
Unanyants T P	89948
Unceanschi L	78860
Underbjerg G K L	37149
	80190
Underdahl N R	73039
Underhill J	48315
Underkofler L A	13561
	21903
Underwood D	78130
Underwood D L	22274
Underwood E J	52633
	93801
Underwood M	66686
Underwood P J	4550
Undrom Statens Försöksgard Offer	17009
Ungar I A	50641
Unger D G	89909
Unger H	23216
	26642
Unglaub H	88700
Ungureanu C	36905
	83866
Ungureanu E	4578
Unguryan P N	30430
Union Catholique Cultivateurs	66988
Union des Caisses Centrales de la Mutualite Agricole	7396
	14737
	66434
Union Nacional de Productores de Azucar	85077
	94077
Union of South Africa Citrus Board	14105
Union of South Africa Controller and Auditor-General	14106
	14107
	22736
Union of South Africa Deciduous Fruit Board	22320
Union of South Africa Dept of Agricultural Technical Serv	7332
Union of South Africa Dept of Customs and Excise	15405
Union of South Africa Dept of Economics and Marketing Div of Economics and Markets	85177
Union of South Africa National Botanic Gardens	32685
Union of South Africa Potato Board	6525
USSR Gosudarstvennyi Institut po Proektirovaniyu Predpriyatii Tsellyulozno-bumazhnoi Promyshlennosti	19260
USSR Ministerstvo Sel'skogo Khozyaistva	11388
Glavnoe Upravlenie Plemennogo dela i Plemsovkhozov	19371
Glavnoe Upravlenie Veterinarii	6321
	6981
	7172
USSR Ministerstvo Vneshnei Torgovli	7918
Planovo-Ekonomicheskoe Upravlenie	86026
	94791
USSR Tsentral'noe Statisticheskoe Upravlenie	13595
	15620
	30335
	65275
	94171
Union Suisse du Commerce et de l'Industrie	30302
Union Valaisanne pour la Vente des Fruits et Legumes	30986
	84282
United Arab Republic Agricultural Extension Dept	86951
Dept of Statistics and Census	7919
United Arab Republic (Syrian Region) Directorate of Statistics	6095
United Cooperatives of Ontario	32336
United Fresh Fruit and Vegetable Association	6626
	39632
	48316
	48391
	89228
United Grain Growers	6842
	31197
	65946
United Kingdom Atomic Energy Authority Technical Dept Laboratories Div	93475
United Nations	5897
	13596
	83315
Dept of Economic and Social Affairs	31692
	32410
	85196
	85804
	86027
	94792
Economic and Social Council Technical Assistance Committee	23217
Economic Commission for Europe	38863
Delegation of the Ukrainian SSR	74248
ECAFE/FAO Agriculture Div	31703
ECE/FAO Agricultural Div	65195
	66598
Inland Transport Committee	65142
Working Party on Standardization of Perishable Foodstuffs	48415
Educational Scientific and Cultural Organization	1999
	18555
	60228
	60229
	66852
International Children's Emergency Fund	13713
	93898
Secretariat	85732
Statistical Off	6096
	74567
United Planters' Association of Southern India Tea Sect	26000
	35087
United Planting Association of Malaya	76460
U S Agency for International Development	76574
	77080
	86238
SEE ALSO U S International Cooperation Admin	
U S Army Medical Serv	71854
U S Atomic Energy Commission	76694
U S Brookhaven National Laboratory	30143
U S Bur of Employment Security	14802
	23113
U S Bur of International Programs	15406
	40279
	40280
	41025
	41026
	67093
	67094
	75848
	75849
U S Bur of Labor Statistics	6025
	66484
	94252
U S Bur of Land Management	58051
	66714
	66774
	85598
	85599
	85600
U S Bur of Public Roads	2463
	94594
U S Bur of Reclamation Div of Irrigation and Land Use	93189
	93190
U S Bur of the Census	6097
	13597
	13598
	13599
	13600
	13601
	13602
	13603
	13604
	13605
	13606
	13607
	21932
	21933
	21934
	21935
	21936
	21937
	21938
	30336
	30337
	30338
	30339
	30879
	35537
	35538
	39108
	39109
	58295
	67095
	75041
	83597
	84123
	85805
	86028
	86029
	92722
	93191
	93192
	93193
	93891
	94697
	94967
Industry Div	31418
	36081
	84854
	84855
U S Business and Defense Serv Admin	31233
Forest Products Div	2798
U S Commodity Exchange Authority	48862
U S Comptroller General	75890
U S Congress	14685
U S Congress	70830
House	70957
Committee on Agriculture	73034
	75431
	75605
	75791
	75792
	75850
	76066
Committee on Appropriations	40621
	58387
	58388
	67168
	94870
Committee on Education and Labor	75960
	76608
Committee on Interior and Insular Affairs	70831
Committee on Interstate and Foreign Commerce	71469
	76575
Committee on Post Office and Civil Service	76576
Committee on Public Works	70484
U S Congress Joint Committee on Atomic Energy	74543
U S Congress Senate	70485
Committee on Agriculture and Forestry	
Committee on Appropriations	94871
Committee on Government Operations	76067
	76804
	90736
Committee on Interior and Insular Affairs	70832
	70833
	70834
Committee on Public Works	76379
U S Corps of Engineers	30211
	30212
	74474
U S Crop Reporting Board	39774
	57399
	66097
U S Dept of Health Education and Welfare	83490
U S Dept of Labor Wage and Hour and Public Contracts Div	53701
	56495
U S Dept of State	49639
	81598
	86062
U S Dept of the Interior	35539
	57890
	85456
	94872
U S Farm Credit Admin	14719
	31727
	75891
	85240
	85241
	85242
U S Federal Aviation Agency	21688
	92950

	Item
U S Federal Power Commission	5898
U S Fish and Wildlife Serv	85136
U S Food and Drug Admin	67169
U S General Accounting Off	7922
U S Interagency Committee on Nutrition Education and School Lunch	49697
U S Interdepartmental Committee on Nutrition for National Defense	13450
	15456
	86063
U S Internal Revenue Serv	94202
U S International Cooperation Admin	10550
	14929
	32103
Off of Industrial Resources	19169
Operations Mission to Brazil	32228
Food and Agriculture Div	
Operations Mission to Israel	6447
SEE ALSO U S Agency for International Development	
United States-Japan Trade Council	94794
U S Joint Publications Research Serv	15678
	21939
U S Library of Congress Science and Technology Div	94873
United States Livestock Sanitary Association	79928
	79929
	79930
	90737
	90738
	90740
Committee on Anaplasmosis	80456
	91125
Committee on Biologics and Pharmaceuticals	79931
	90741
Committee on Brucellosis	79932
	90742
Committee on Disease Control in Livestock	90743
Committee on Diseases of Sheep and Goats	81125
	91733
Committee on Federal Programs and Policy	79933
	90744
Committee on Infectious Diseases of Cattle	80457
	91126
Committee on Laws and Regulations	79934
	90745
Committee on Leptospirosis	79935
	90746
Committee on Parasitic Diseases	81599
	92046
Committee on Public Health	79936
	90747
Committee on Rabies	79937
	90748
United States Livestock Sanitary Association--Cont	
Committee on Stockyards Markets and Transportation	84665
	93848
Committee on the Nationwide Eradication of Hog Cholera	81328
	91918
Committee on Transmissible Diseases of Poultry	80892
	91553
Committee on Transmissible Diseases of Swine	81329
	91919
Committee on Tuberculosis	79938
	91127
Committee on Vesicular Diseases	79939
	90749
Committee on Virus Research	79940
	90750
U S Missouri Basin Inter-Agency Committee	10432
	78546
U S National Advisory Board Council for Grazing	25493
U S National Historical Publications Commission	8070
U S National Science Foundation	15610
	31898
	41232
U S Off of Business Economics	6099
U S Off of Education	32229
	49509
Div of Vocational Education	14930
U S Off of International Conferences	58449
U S Off of Technical Serv	36022
U S Off of the Federal Register	86140
U S Patent Off	34658
	34687
	34844
	43425
	60703
	60841
	69887
	88880
	88924
	88970
	89096
U S President (J F Kennedy)	49743
	76696
U S Public Health Service Committee on Environmental Health Problems	56433
Div of Environmental Engineering and Food Protection	65425
Div of Water Supply and Pollution Control	55360
U S Public Health Service Committee on Environmental Health Problems--Cont	
National Off of Vital Statistics	32140
United States Pulp Producers Association	45077
U S Quartermaster Corps	83316
U S Quartermaster Research and Engineering Center	93166
U S Resources and Trade Development Mission to Ecuador	49203
U S Social Security Admin Bur of Old-Age and Survivors Insurance	23057
U S Soil Conservation Serv Soil Survey Div	26187
U S Tariff Commission	32414
	41033
U S Tennessee Valley Authority	2464
	2604
	15178
	23453
	52708
	70486
	70835
	74367
	78911
	89934
Div of Forestry Relations	26717
Div of Water Control Planning	35981
	39786
United States Trotting Association	91300
U S Weather Bur	43928
U S World Trade Information Serv	86030
	86031
	86032
Universita Cattolica del Sacro Cuore Facolta di Agraria	94299
Universities Federation for Animal Welfare	71887
University College of Wales Aberystwyth SEE Aberystwyth University College of Wales	
University of South Africa Bur of Market Research	21836
	33445
Unlin-In G	2940
Unold H von	61698
Unrasch R	62935
Unrau A M	4439
	7228
	27186
	56970
Unrau I C J	56970
Unrau J	785
Unt H	1059
	50692
Untermann F	54776
Unterstenhofer G	46597
	63794
	73125
Unverfahr H J	26001
Unwin C	34845
Unwin D M	20551
Uomo G dell'	4319
	37439
Uota M	15991
	57612
Uota M	84249
Uota M A	39775
Uotila I	36731
	54235
Uozumi T	16089
Upadhya M D	796
Upadhyaya S R	9407
Upchurch H M	66883
Upchurch M L	13909
	32015
	61324
Upchurch R P	25949
Updyke E L	80280
Upholt W M	13496
	28930
Upmanis R S	63874
Upolovnikov B	52872
	70661
Upolovnikov B A	69114
Upp C W	8111
Uppal H L	26554
	44448
Uppenborn W	91301
Upper Midwest Research and Development Council	7366
Uppsala Jordbrukstekniska Institutet	56094
Uppsala Lans Hushallningssallskap	11202
	41146
Uppsala Lans Kontrollforening	11733
Uprichard J M	67856
Uptmoor J H	57042
	57043
	84307
	93671
Upton M	64966
Urakami C	84856
Uranowicz K	93521
Uras T G	57699
Urasinska A	90920
Uray H	36732
Urayama T	51392
Urbahn E	13042
	21432
	38516
	55985
	82801
Urban G	53006
Urban M	7643
	54076
Urban S	37830
	73399
Urban W	91599
Urban Z	507
	67938
Urbaneck D	11366
	28528
	72221
Urbanek L	32016
	85620
Urbanowski S	89635
Urbanyi L	27881
	30741
	53805
Urbaschek B	27463
	80449
Urbin M C	39934
Urbina Zevallos J	25395
Urbino C M	82492
Urdaneta G A	90804
Urdaneta I	62483
Ure J	78534
Urena R de	26555
Uresch F	10083
Ur'ev E	6925
Urguhart G M	54337
Uribe E G	952
Uribe A H	23310
	39220
Uribe C A	39219
Uribe Garzon C	58234
Uribe Velasco M	75681
Urich K	46771
Uritani I	8410
	8544
	8545
	41727
	50241
Uriu K	24227
	51085
	73289
	87675
Urkuday K N	77734
Url W	24557
Urmanov Z A	11367
Urmanova Kh U	16078
	88455
	88456
	89393
	89816
Urmantsev Yu A	16399
Urner G	31484
	40121
	57445
Urone P	61492
Urosevic B	24179
	24371
	41913
Urquhart B	79075
Urquhart F A	92624
Urquhart G M	19934
Urquijo Landaluze P	92127
Urries M J	508
Urriola-Munoz P	9175
Urroz I G	57288
Ursache O	27413
	90569
Ursache R	28341
	28469
	28523
Urselmann A J	72204
Ursic S J	2755
	9190
Ursiny J	71855
Ursprung H	5165
Ursulenko P K	9586

	Item
Ursulenko P K--Cont	69315
Uruguay Direccion General de Estadistica y Censos	65276
Urushadze Z D	31513
Urzhumov M	27672
Us P A	92248
Usai A	27960
Usami K	2939
Usami S	34026
Usami T	51140
Usanov A V	53386
Usanova Z I	51393
Usatyi P P	60704
Usatyuk M K	31064
Usborne J	27024
Usborne W R	39472
Uscavage J P	3706
	4517
Uschdraweit H A	68047
Usciati L	49642
Uscuplic M	67939
Useche F J A	54564
Useches L	62353
Useinashvili E S	6951
Usenik E A	36913
	81324
Usenko V V	69620
Ushakov A F	82995
Ushakov Ya D	44590
Ushakova G V	64319
	64320
Ushakova M P	31513
Ushakova Zh N	93226
Ushatin P N	2605
Ushatinskaya R S	21153
	29231
	92413
Usher E G	62070
Usher G	86952
Usher S J	25674
	30933
	41079
Ushijima R N	80661
Ushijima T	60230
Ushioda T	52849
Ushiyama K	24480
	29569
	31021
Usinger R L	15576
	38346
	38347
	38358
Usiskin S R	37114
Uskov A	89777
Uskov A I	59647
	59648
Uskov M I	88840
Uskov S P	71283
	71449
Uslenghi G	8060
Usmanov K	84595
Usmanov Kh	22275
Usmanov Kh U	42894
	84124
	93522
Usmanov YU	35397
Usnelli F	39292
Usova Z V	64462
Usovskii B N	34846
Uspanov U U	18229
	52371
Uspenskaya G D	59080
Uspenskaya N V	20783
Uspenskaya V I	67576
Uspenskii F M	20784
	20785
	46512
Uspenskii N A	59649
Uspenskii S	10859
Uspenskii S N	18729
	71000
Uspenskii V A	62199
Uspenskii V I	10205
Uspenskii V P	53007
Usrey M	9566
Ussing H H	19596
Ustimenko G V	51393
Ustinova E I	33740
	59650
	68393
	68394
Ust'yan A K	81676
Usuda M	84082
Usuelli F	15481
Usui K	54526
Usynina V A	52624
Utagawa I	77735
Utah Academy of Sciences Arts and Letters	86141
Utah Mosquito Abatement Association	55361
Utenkova A P	87228
Utenti Motori Agricoli	73996
Utkin A I	18870
	58716
	59336
Utleg J L	76341
	85770
Uto M	78299
	78319
Utojo R P	62358
Utrata A	88403
Utrecht Instituut voor Veeteelt-Kundig Onderzoek "Schoonoord"	45396
Uttal L J	184
	76980
	86514
Uttar Pradesh Dept of Agriculture	22276
	39787
	39871
	39872
	40197
	40213
	65947
	66243
	66271
Utter D	85657
	85658
Utter H D	57978
Utter K L	5986
Utter L G	52196
Utzig J	80596
	81074
	91920
Uvacek E	31234
	31235
	65990
	65991
Uvarov Sir B	46377
Uvarov B P	29777
Uvarov F	94917
Uvarov G V	94838
Uvarov O	11628
	72352
Uvarova Z A	69115
Uvo D	20684
Uwland J	27882
Uyechi T R	47364
Uzakov P	26089
Uzakov U Ya	92047
Uzakova M Kh	87372
Uzhdavini E R	28430
Uziak S	26090
	70417
Uzieblo B	20273
	27883
Uzilevskaya P Sh	36527
Uzir N N	42436
Uzun V F	10318
Uzunov G	63423
Uzzan A	45234
	48821
Vaadia Y	1151
	26556
	51080
	59905
	61522
	70736
Vaage T	9781
	32067
Vaartaja O	509
	77736
Vaartaja O L	51394
Vaas K F	58435
Vacarisas A	28230
Vacarisas Brugueras A	85663
Vaccari I	92048
Vacek J	44771
Vachal J	45455
	62624
	91647
Vacharotayan S	60231
Vachev B	73032
Vachey G	32686
Vachhani M V	9407
	35415
Vachnadze I I	42168
Vachon M	38058
Vachugov I A	36867
Vacirca B	19935
Vacirca G	3583
	3707
	27884
Vacke J	24445
	41913
	46513
	87093
Vaclav V	29142
Vaculik P	16802
Vaculik R	52894
	70699
	78459
Vadachkoriya L	19597
Vadalkar K	42895
Vadholm O	29210
Vadkovskaya O A	35260
Vadla E	62661
Vadlamudi S	4456
Vadnjal J	11092
Vadyunina A F	90139
Vaerland L	35685
Vagas I	70826
	89889
Vageler P	35772
Vageler P--Cont	52861
	78737
	89528
Vaghi M	80267
	80281
Vaghi M A	36579
	37360
Vagnerova K	18117
	70392
Vagnerova V	69621
Vago C	37500
	38000
	38102
	63795
	82064
Vagt W	8360
	8400
	20971
Vagues R	45355
Vagy W	12710
Vahl E V	9191
Vaia A	48743
	57328
Vaid K M	43828
Vaida M	54871
Vaidya M K	40171
Vaidya P B	8793
Vaidya S	85432
Vaidya S M	77903
Vaidya S M J	82065
Vaidya V P	34568
Vaidyanathan L V	78321
Vaidyanathan P	15407
Vail G E	80750
	84912
Vail J W	26227
	35773
Vail S L	56901
Vail W J	34214
Vaillant F	73711
Vaillant J M	39873
Vaiman M	71653
	79666
Vain L	91782
Vainer K M	58560
Vainer M G	29866
Vainshtein B A	92341
Vaintraub A M	91111
Vaintraub I A	88249
Vaintraub F P	73126
	73127
	73128
Vairo C E	49643
Vairo M L R	16525
Vaisanen E A	35937
Vaisey E B	16972
	16973
Vaitsman J	91128
Vajcik V	90140
Vajda L	67402
	69888
	69889
Vajda O	48949
Vajok-Kasikij L S	66182
Vakaleris D G	65426
Vakar B A	93753
Vakhabov Sh Z	88810
Vakhrameev V A	58561
Vakhshskaya Zonal'naya Opytnaya Stantsiya	60644
Vakili N G	59651
Vakin A T	50242
Vaklinova S	68396
Vaks P I	31939
Vaksman E G	89893
Vakula V S	18961
	77737
Vakulin A A	10790
Valadez S	90909
Valainis A	1443
Valarche J	32104
Valaskova E	41914
Valcarce A C	46452
Valcarenghi G	57313
Valck Lucassen F T	82340
Valdecantos Jimenez A	57286
	57446
	93821
Valdehita M T	30144
	30248
	83491
Valdes S H	23310
	39220
Valdeyron G	41209
	67234
Valdez R B	52358
Valdez-Pages P	17815
Valdmaa K	78738
Valeanu L	50936
Valeev Sh V	18403
Valeev Sh V	25383
Valek J	89097
Valencia B R	53531
Valendik E N	53462
Valenta M	25155
Valenta V	24439
	42042
	46514
	73129
Valenta V T	92249
Valente D N	22013
Valente L A	34609
	42896
	77738
	83230
Valentin J	60728
Valentin M	15285
Valentin R	26354
Valentine B D	5044
Valentine D H	33815
	50006
	50007
	67517
	76981
Valentine F A	71284
Valentine H D	3889
	7119
Valentini A F	14447
Valentinov B	66440
Valentry D	2771
Valenza P	31899
Valera C L	44053
Valera L	44054
Valera M de	32914
Valerani L	27225
Valeva S A	9192
Valevska R K	37204
	37205
	37206
Valfrè F	28361
	80990
	93946
Valiakhmedov B	26130
Valias Gomez E	24835

	Item
Valiela M V F	59191
Valiev Sh	93881
Valikova V F	61878
Valin J	39880
Valio Meijerien Keskusosuus-liike	93351
Valiullin A	25573
Valkama T	56259
Valkeila E	38418
Valko I	56917
Valko J	66599
Val'kov V F	2053
Vallance L G	18376
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Vallat J	74932
Valldejuli J J	58302
Valle A L	48104
Valle O	9512
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Valle R C	41533
	41535
Valle R G del	86719
Valle E A del	78490
	89583
Valleau W D	41957
	67703
	77190
Vallee A	11311
	12256
	81298
Vallee B L	60114
Vallega J	24372
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Valleggi M	22737
Vallejo C A	10468
Vallejo L C	54387
	91078
Vallely T F	80412
Vallentine J F	17214
	17215
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Vallerani R	88303
Vallerini J	86515
Valles E	626
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Vallet	46537
Valletta A	64686
	64687
Vallette H	28651
Vallette W L	78131
Vallier I	94625
Vallyathan N V	45970
	45971
Valoras N	51171
	87769
Valota A	84125
Valpotic I	28529
	63635
Valsan A P	22950
Valsangiacomo F J	60999
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Valsassina M B	74682
Valset T	50243
Valter V	75717
	75718
	75728
Valtschewa R	75282
Val'tsova O V	59652
Valu G	44055
Valuev A	14052
Valuiko G G	30431
	83705
Valuiskaya R	90516
Valuiskii P P	72072
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Valuta G	33856
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Valyaev V N	61806
Valyi-Nagy T	44055
Valyuzhenich E	94453
Vamos G	48580
Vamos R	33325
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Vamosi J	21649
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Van K	6918
Van S M	59653
Van T K	25384
Van Abbe N J	91262
Van Adrichem M C J	52001
Van Allen R G	44978
Van Ark H	12521
Van Arsdall J W	57589
Van Arsdall R N	13159
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Van Arsdel E P	33326
	67940
Van Arsdel P P	23859
Van Arsdel W B	21853
	39068
Van Asdall W	665
Vanaspati Manufacturers' Association of India	84857
Van Bavel C H M	43929
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	88034
Vanbelle M	5785
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Van Blaricom L O	14193
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Vanbreuseghem R	90751
Van Bruggen A C	82106
Van Bruggen T	23931
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Van Buijtenen J P	27137
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VanBuren J P	48763
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Van Campo M	23902
Vance B F	52062
Vance H N	27309
Vance R B	94636
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Van Ch S	69996
Vancsura I	19017
Vancsura R	26692
Vancura V	2164
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Vandehey R C	5184
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Vandel A	21080
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Vandemaele F P	11368
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Van Demark	62533
Van de Mark M S	47712
Vandemark N L	19372
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Vandenabeele M G	74683
Van den Berg A S	32422
Van den Berg D J	1531
Van den Berg L	13563
Van den Bergh S G	46968
Van den Bosch R	4662
	4673
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	33030
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Vandenbranden M	12190
Van Denburgh R S	46515
	46516
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Vandenbyvang P	80131
Vandendael A	94795
Vandendael P	57620
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Vanden Driessche T	88035
Van den Heever L W	62936
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Vandenheuvel W J A	22896
Vandeplassche M	36914
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Vandepopuliere J M	3882
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Vanderbilt R	9548
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Vanderbrook L	9704
Van der Drift J	78465
Vanderford H B	2194
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Vanderhill B G	32075
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Van der Hoeden J	62484
Van der Kloot W G	46772
Vanderlinden H S	76499
Van der Lingen M I	85771
Van der Merwe F J	45536
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Van der Merwe J H	6448
Van der Merwe J J	43160
Vander Meulen E	67097
Van der Muelen J	6944
Van der Plank J E	510
Van Dersal W R	67276
Vandersall J H	45537
Vanderveen J E	19771
Vandervelde M	36924
Vandervelden M	11358
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Vandervell H D	56711
Van der Walt C F J	1402
Van der Walt H R	83360
Van der Walt J C	45538
Van der Walt J L	1624
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Van der Westhyysen J J N	7291
Vanderweyen A	59082
Vanderzant C	30536
Vanderzant E S	12851
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Van der Zwet T	8546
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Van Deusen J L	18812
Vandevelde A	80642
Vandewijer R	16636
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Van Diest A	88304
Van Dongen I S	7923
Vándor E	56348
	56349
Van Doren A	6733
	33359
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Van Doren C E	51625
	78934
Van Doren D M	18404
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Van Dreal P A	88036
Van Dress M G	56405
	93576
Van Dresser W R	19891
Van Drimmelen G C	4152
	91734
VanDuyn R L	28241
Van Duyne F O	6713
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Van Dyne E	39694
VanDyne G M	51395
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	52863
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Vane N	43264
Vanecek J	58
Van Eerde K S	66485
Van Effenterre A	10082
Vanegas A J	17144
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Vanek J	4153
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Van Emden H F	5152
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Vanencia H J	94278
Vanenkov M	91129
Vanenkov M V	28530
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Van Epps G A	26306
Van Etten C H	1334
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Van Fleet D S	50822
Van Gehuchten P	65662
Van Geldermalsen M	15956
Vangeluwe J D	16819
Vangerow H H	70992
Vangheesdaele G	34277
Van Gils C A M A	51878
Vanha B	52865
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Van Handel E	21265
VanHaverbeke D F	2611
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Van Heerden A	19932
Van Heerden H G	26355
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Van Heerden H J	43206
Van Heerden K M	20422
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Van Heiningen R	13376
Van Heurn W C	82912
Van Hoof H A	37629
Van Hoosen N	20039
Vanhorick F F J	7924
Van Horn D H	56011
Van Horn G A	58194
Van Horn H H	11692
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Van Horn M	38868
Van Horne R	82928
Van Houten H	7834
Van Houweling C D	19598
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Vanicek K H	43359
Van Iderstine A A	3942
Vanin I I	86954
Vanjari S	85457
Van Keuren R W	43270
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Van Konynenburg D	17537
Van Kooy J	75224
Vankova J	92128
Van Kraaijenoord C W S	53476
Van Kraayenoord C W S	90141
Van Kruiningen H J	11693
	80286
Van Landingham S L	41312
Van Loan L	40953

	Item
Van Loo W J	56896
Van Maanen G H	69069
	69877
Van Maren A	69920
Van Meir L W	31236
	48733
Vannelli S	86516
Vannes G	33419
	34847
Van Ness G B	45356
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Van Niekerk A J A	63409
Van Niekerk G P	31485
Van Niel C B	42316
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Vannier G	64743
Vannier S H	7055
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Vannovskii T Ya	4231
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Van Oostrum A	88881
Vanossi L	20606
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Van Outryve D'ydewalle Y	70663
Van Overbeek J	88037
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Van Pelt H	67780
Van Pelt R W	3783
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Van Prooien R	20029
Van Regenmortel M H V	586
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Van Rensburg S W J	62626
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Van Rijn P J	89394
Van Roekel H	3931
	28347
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	54827
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Van Sant W R	27903
Van Schaack G B	32687
Van Schaik J C	52008
Van Schaik P H	43200
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Vanschoubroek F	37396
Vanschuytbroeck P	73712
Vanselow A P	2076
Van Sickle G R	82495
Vansoest P J	11694
	36581
Van Someren E C C	46986
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Van Someren V G L	82802
Van Stavern J	3364
Van Steveninck R F M	51396
Van Straaten N J	29867
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Vansulin S A	55362
Vanterpool T C	24356
	33016
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	33138
Van't Hof J	77413
Van Tiel N	4580
Van Tienhoven A	3341
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Vantilborgh L	14803
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Van't Woudt B D	78965
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Vanurova E	46517
Van Valen L	73713
Van Velsen R J	59192
Vanvig A	7679
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Van Vleck D	11455
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Van Vleck L D	3304
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	11735
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	63663
Van Vlimmeren P J	40024
Van Voorhis R H	53208
Van Vuuren P J	56
Van Wagner C E	79599
Van Wesemael J C	74426
Van Winkle Q	83774
Van Wyk C J	47875
Van Wyk C M	85897
Van Wyk F P R	84596
Van Wyk J F	7229
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Van Wyk J H	12594
Van Wyk S P	29868
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Van'yan G A	83065
Vanyi A	19582
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Van Ysselstein M W H	8858
Vanyushin B F	43038
Vanyushina E F	59641
Van Zelst T W	26038
Vanzetti C	23414
Van Zyl J A	6163
	30432
Vappula N A	29275
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Vaptsarova M	91544
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Vaquer A	75391
Varacca W	20535
Varadachari K	35540
Varady B	63374
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Varady S	71030
Varakin Yu M	62069
Varakina E F	20175
Varaksin F	19089
Varaksin F D	90426
Varandani P T	11516
Varas A J	9193
Varasova N N	16789
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Varatharajan V	12500
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Vardaman T H	36734
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Vardanis A	8573
Vardaniya K Kh	88039
Vardanyan T T	44116
Vardar Y	59989
Vardevanyan L G	27673
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Vardzelashvili M G	52688
Varela de G	28931
Varela G	19424
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Varenik I P	70101
Varenits A E	36473
Varenitsa E T	32017
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Varentsov I	92859
Varentsov K	76068
Varfolomeev M M	57979
Varga Gy	34198
Varga I	72695
Varga J	14931
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Varga K	5942
Varga L	26968
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Varga M	25156
Varga Z	21433
	21434
Varga Haszonits Z	35123
Vargas C C	50008
Vargas L	4579
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Vargas Duran M J	11389
Vargas Gonzales O F	42079
Vargas Hernandez D	65749
Vargas Mendez J	25415
Vargas S E	52319
Vargas V M	55242
Vargas Villamil R	10469
	15121
Vargina Z K	53131
Vargues R	45863
Varis A L	4658
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Varju D	1283
Varlamov I F	85395
Varlamov M A	10433
Varlamov N E	61307
Varlet G	33139
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Varley G C	5327
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Varma B K	55363
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Varma R	31507
Varma S	61661
Varma T N R	75121
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Varma T N S	1284
Varmlands Lans Hushallningssallskaps	86142
Varnagy L	27464
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Varnavskaya N V	43888
Varner R W	43731
	43830
	52229
Varney E	82006
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Varney E H	41841
Varney H R	31900
Varney W Y	12309
Varon O	9923
Varon P	6164
Varriale A M C	46992
Varshalovich A A	24186
Varshavskii B Ya	88782
Varshavskii M N	64967
Varshney I P	42958
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Varshney K M	31946
Vartanyan A	89741
Vartapetyan B B	42897
Vartapetyan V V	68520
Vartazarova L S	60232
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Varypaeva A G	88780
Varzhevskii E F	91077
Vas K	50121
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Vasa M	26356
Vasaitis V	72504
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Vásárhelyi I	73504
Vasa Svenska Mejeriskolan	39254
Vasatko J	57575
Vasatko J--Cont	75771
Vásatkova M	57575
Vasbinder H	7054
Vasciaveo F	45686
Vasconcelos C T de	45553
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Vasek F C	8848
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Vasek J	39994
Vasenius H	11352
Vasenius L	54677
Vasey G H	13325
Vashakmadze B A	70664
Vashchinskaya N V	47048
Vashisth K S	77247
Vasic B	85664
Vasic M	73400
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Vasil V	780
Vasil'chenko A	92723
Vasil'chenko A A	64804
Vasil'chenko G V	88853
Vasil'chenko I T	838
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Vasile D	67518
Vasilega V S	66245
Vasilenko A A	21634
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Vasilenko I F	92900
Vasilenko I T	34848
Vasilenko M	14804
Vasilenko P M	92774
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Vasilenko S V	230
Vasilenko V M	40214
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Vasil'ev A F	30213
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Vasil'ev I V	15814
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Vasil'ev P V	18665
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Vasil'ev S A	47447

	Item
Vasilev Ts	12191
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	37321
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Vasil'ev V A	79046
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Vasil'ev Yu V	76236
Vasil'eva A A	15957
Vasil'eva D V	2347
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Vasileva I	36401
Vasil'eva L N	305
Vasileva M	68396
Vasil'eva N V	51504
Vasil'eva S G	18377
Vasil'eva V E	68945
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Vasileva-Dryanovska O A	33742
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Vasilevich V I	706
Vasilevskaya V K	59654
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Vasilevskii E G	23412
Vasilevskii G	83937
Vasilevskii I G	9444
Vasilevskii V	56804
Vasiliu A	78560
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Vasiliu M	78740
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Vasil'kov V V	80601
Vasil'kova A K	59109
Vasiloschi O	68199
Vasil'yev I M	16756
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Vasishta P C	231
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Vasishtha A K	68931
Vasishtha S C	39655
Vasistha S K	39655
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Vaski L	18828
Vasko K A	28110
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Vas'ko T P	7253
Vas'kovskii G	34940
Vas'kovskii N F	2559
Vas'kovskii S E	7449
Vaskovsky P	76250
Vass Mrs Gy	24672
Vass P	66088
Vassar A K	66487
Vasserman Z	30061
Vasserman Z N	5860
Vassileva-Dryanovska O A	77740
Vassiliou A A	37789
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Vasta B M	16647
Vasternorrlands Lans Hushallnings-sallskap	76697
Vastmanlands Lans Hushallningssallskap	32514
Vastrad S V	9018
Vasudeva R R	247
Vasudeva R S	417
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Vasyagina M P	41581
Vasyunina A D	57604
Vasyutinskaya K	72537
Vasyutinskii Yu	69623
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Vasyutinskii Yu P	34533
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Vaszko M	47273
Vatne O	58436
Vatne R D	46102
Vatnebryhn A	50245
Vatovec S	27885
	27886
Vatralov I	89529
Vatsiete L E	19507
Vatter A E	765
Vatthauer R J	20341
Vau E	45358
Vaugh M	47274
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Vaughan W L R	22037
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Vaughn R H	74434
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Vaurie P	21154
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Vautier S	41468
Vautin T K	11109
Vautrin M	61203
Vaux H J	90013
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Vavich M G	7131
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Vavilov E I	89569
Vavilov P	76342
Vavilova M A	68398
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Vavilova M V	17627
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Vazhnitskaya E F	69117
Vaznonene I I	25860
Vazquez A W	21797
Vazquez V	63936
Vazquez Roncero A	48781
Vazquez Valero M	84945
Vazvazov I A	60234
Vdovina A I	10858
Veary K D	7291
Veatch C	25954
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Veau E	89098
Vecchi M A	82007
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Vecera P	80616
Vecerova E	90839
Vecher A S	43039
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Vechera A F	27299
Vecherskii P	52102
Vecht J van der	21347
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Veckenstedt A	11861
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Vedantam K	43302
Vedder A	49223
Vedder P J C van	9852
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Vedeneeva N A	12896
Vedenina T	69566
Vedenyapin V E	18556
Vedlich M	6354
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Vedysh P	69729
Vedysheva R G	59649
Veen A G van	48822
Veen H E V D	62921
Veen J H van der	16490
Veen P van	34849
Veen R R van der	3708
Veen S van	49351
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Veenbaas A	14119
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Veenendaal N	23079
Veer J de	41034
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Veer L S	39513
Veerabangsa M T	31495
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Veeraswamy R	1967
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Veerman J A	21635
Vega J	29869
Vega M R	52320
Vega Bragado J	74749
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Vega-Yap G	14310
Veggetti A	80237
Veggetti G	7560
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Vegors H H	36568
Vegter K	55913
Vehrke H	12980
Vei Ts Ch	8316
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Veiga A de A	79179
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Veiga-Ferreira G da	46826
Veillat J C	37502
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Veillet-Bartoszewska M	8794
Veillon A	72073
Veiman M	11163
Veinberga T	24541
Veinla V	64924
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Veit	45456
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Veith H	31065
Vejlby K	8963
Veken J A van der	42043
Vekshegonov F Ya	45086
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Vela B C de	36147
Velarde G G	77678
Velarde O	23903
Velarde Guarda G	8530
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Velasco J R	42044
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Velasco L A	35416
Velasco L M	90953
Velasco M I	78912
Velasco R	14524
Velasco R B M de	86985
Velazquez Echegaray A	37035
Velchev V	58606
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Velde H A te	16757
Velde J D van der	84126
Veldeman R	59083
	59091
Veldemann L	37106
	46048
Veldet T	48950
Veldhuis J M	94536
Veldhuis M K	6643
	57113
Veldhuizen H van	56562
	57200
	57201
Veldman E C	44453
Veldman G K	36885
Veldsman D P	56918
Veldstra H	32611
Velebil M	73997
	74025
Velev B	17628
	25862
Velev B I	92765
Velev D	18557
	26557
Velez Boza F	41065
	41068
	49698
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	49712
Velez Fortuno J	8806
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Velez R H	62938
Velho C de B	85733
Velho E L	37040
Velich J	43303
Velich S	74135
Velichkin P A	12009
	28125
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Velichko A	69710
Velichko E	8795
	17089
Velichko E B	60470
Veliev A	69490
Velikanova V I	15671
Veliky I	63256
Velitskaya I S	12375
Velizhanskii Ya	88539
Velkov V	60235
Vella G F	40282
Velle W	28113
Velleste J	45360
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Velly J	34369
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Velosa J	6165
Veloso A P	43457
Veloso H P	59338
Veloso J F	78267
Velsen R J van	8611
	42045
	81723
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	87095
Velten U	3584
	45413

Item

Velthuizen G 27945
Veltman B 94455
Veluire M 94700
Vel'yaminov K S 11343
Ven B van der 22026
Venable J H 36728
Venables D G 33415
Venard C 5208
Vences Flores E 40731
Vencovsky R 81653
Vendramini R 23704
86093
Vendrig J C 9194
51377
Veneklasen P 6585
Venema B 32068
Venema K C W 35176
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Venema R 8061
Venemark E 36082
Veneroni G 80935
Venet J 35686
Venezuela Direccion de Agricultura Div de Extension Agricola 5881
Venezuela Direccion de Cartografia 8136
Venezuela Direccion de Economia y Estadistica Agropecuaria 22277
22452
65840
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Venezuela Direccion de Ganaderia Div de Sanidad Animal 4582
Venezuela Direccion de Planificacion Agropecuaria 6589
6844
13520
31198
Venezuela Direccion General de Estadistica y Censos Nacionales 65277
Venezuela Ministerio de Agricultura y Cria 94874
Venge O 3730
20449
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Vengerskii V 84128
88305
Vengris J 17816
17817
17818
25905
52321
Venier R 38831
Venieri M 77191
92314
Venkaiya N 83266
Venkata Ram C S 41717
Venkatachalam G 90560
Venkatachalam T K 14014
Venkatachalam V 83852
Venkataraman A R 26397
Venkataraman G S 839
1285
2165
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Venkataraman K 33786
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Venkataraman M S 14194
22382
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Venkataraman N 29048
77920
Venkataraman S 61108
Venkataraman V 84129
Venkataramana R S 51397
Venkataramani B 2983
Venkataramani K S 8317
17854
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25159
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25161
25951
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35053
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Venkataratnam L 10302
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Venkatataman G S 32930
Venkateshan Y V 6694
Venkateswarlu J 26321
26615
41469
Venkateswarlu V 1374
88251
Venkatraman T V 21435
Venketeswaran S 68399
Venkiteshwaran S P 52448
52449
Venkov T 90498
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Venkrbec L 19975
Vennesland B 51573
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Venter G 5827
Venter G E 56043
Venter W 65497
Ventriglia F 54448
Ventura E 24373
Ventura L 40329
Ventura M M 9195
Ventura M T 961
Ventura County (Calif) Agricultural Commissioner 56528
Venturella L R C 89254
Venturi F 18378
20852
26357
82438
86955
Venturini W R 35304
35418
Venugopal S 29739
73255
73317
Venugopal V 29739
Venugopalan S 39695
Ven'yaminov A N 88854
Venzher V G 15112
Vepkhvadze V M 90249
Vera N 23114
Verain A 11747
80054
Veratti E 12754
Verba M S 24189
Verband der Deutschen Milchwirtschaft 74684
Verband der Zuchter des Angler Rindes 3308
80093
Verband der Züchter des Holsteiner Pferdes 36881
Verband Ostschweizerischer Landwirtschaftlicher Genossenschaften 40954
94735
Verband Schweizerischer Gartnermeister 1668
Verband Schweizerischer Konsumvereine 94734
Verbeek G 60841
Verbeek W A 4232
80516
Verbeke R 3498
72206
Verbolovich P A 45361
Verbovyi K A 51907
Vercammen-Grandjean P H 29280
29281
Vercauteren R 47931
Vercellotti R 65948
Vercoe J E 4094
Vercruysse A 63749
Verdade F C 35261
Verdcourt B 41470
67519
Verdejo G 61543
Verderevskii 86956
Verderevskii D D 16090
24374
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94918
Verdes N 27887
Verdiev Z 62627
Verdin Sir R 66716
85601
Verdirame G 3205
71856
Verdura Mier C 40622
Verdus M C 76983
Verduzco G J 19018
Vereikina Yu V 2329
Verein der Zellstoff- und Papierchemiker und- Ingenieure 90427
Verein fur Deutsche Schaferhunde 19981
80523
Verein für Vaterlandische Naturkunde in Württemberg 49776
Vereinigung Wurttembergischer Landschaftsgartner 52063
Vereiskaya V N 82067
Verelle L 83750
Vereniging tot Exploitatie van Proefboerderijen in de Veenkolinien 40623
Veres K 8918
Vereshchagin B 73401
Vereshchagin N I 13255
Vereshchagin N 64866
Vereshchagina V V 20853
Vereshchgin B V 92250
Veresov K N 60920
60921
Veress S 69762
69998
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Veretennikoff S 3105
63018
Veretennikov A V 42898
Vergani A 45687
45688
Vergani A R 60237
64022
64023
64024
Vergara N T 32120
58099
Vergara S 77160
Verge 23776
Verge J 11650
20626
36662
36663
62485
80392
Vergelesov V 83742
Verger 46049
Verges J B 91170
Verghese E J 26177
Vergles V 36383
Vergnaud H J 61662
Vergouw W 67547
Verguzova P S 45097
Verhage A 22026
Verhage A J 31901
Verhey C 50246
51398
Verhey C J 2465
8169
Verhoef G J 1737
43448
Verhoeff K 24375
33328
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Verhoeven B 61181
Verhoeven G 52148
Verhoeven I B 44449
Verhoyen M 587
50519
87096
Verhulst H L 55315
Veri G 52928
Verigo S A 17923
Veringa H A 93326
Verkade G 9548
Verkaufsgenossenschaft fur Gartnerische Produkte Zurich und Umgebung 94113
Verkhunov P M 62021
Verkinderen A 6920
66032
Verlaat J G 17819
43832
52322
52323
61000
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Verley F A 19685
Verleye A 35841
Verliere G 9059
Verlinde J D 3206
91265
Verlinsky N 47713
Verloop A 1360
Verma A N 29216
Verma G S 68048
Verma H C 83852
Verma J P 42949
Verma O P 62200
Verma R D 17649
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Verma R P 78528
Verma S C 192
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Verma S S 10303
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Verma U K 44130
Vermaas D 65663
Vermeer J 74240
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Vermesanu N 28386
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Vermeulen F H B 54403
Vermeulen J 9782
Vermont Dairy Association 56620
Vermont University and State Agricultural College 2529
Dept of Animal and Dairy Husbandry 6449
6193
Vernberg F J 46773
Vernell H F 17726
34056
52244
Verner A R 69118
69269
Verner D 92971

	Item
Verner D A	68568
Verner L	25631
	35541
	59974
	70836
	78913
Verner P H	82202
Vernet A	50643
	60238
Vernetti F de J	69649
Vernichenko A F	62628
	72248
Vernier A	23220
	57980
Vernigor V	27293
	79662
	90561
Vernigora I	69573
Vernik R S	33567
Vernikovskaya I A	18200
Vernois G	30303
Vernon E H	3312
Vernon D F	63078
Vernon E M	67274
Vernon F A	3633
	11736
	91171
Vernon J	19425
	81237
Vernon J D R	77296
	81830
Vernon L P	34249
	34335
	34336
Vero L	9224
Verona A	33017
Verona O	15959
	16758
	26131
	26132
	58812
	68400
	70394
Verona P	88044
Verona P L	26051
	32588
	69119
Veronica B	67942
Verosta B	51770
Verrone G A	55364
Vershinin I I	46093
Verster A	19490
	54449
Verrett M J	6005
Verrier J	84389
Verries B	13564
Verron H	82916
Versailles Station Centrale de Genetique et d'Amelioration des Plantes	8849
Verschingel A	89100
Vershinin M	31778
Vertebnaya I P	1286
Verteletskii L L	54828
	90754
Vertepnyi I I	89101
Verter W	27888
Verteuil L L de	9951
	14949
Vertinskii K I	36735
Vertii S A	61449
Vertousov E P	66717
Vertriest W	66767
Verts B J	4583
Vertunov A I	36627
Vervack W	5785
	11160
	79727
	79728
Vervelde G J	25287
Vervust H	11695
Verwer M A J	3704
	28058
	54566
Verzilin N N	68945
Vesco G dal	59339
	67653
Vescovi P	16401
Veselinov E	18379
Veselinov M	85110
Veselinov V	79942
	90755
Veselinov W	84633
Veselkina R V	26188
Veselov I Ya	21981
Veselov V I	85602
Veselov V M	60922
Veselova T P	80461
Veselovskaya N	56669
Veselovskii I A	9853
	60923
Veselsky J	83654
	86591
Vesely J	58717
Vesely V	45235
	48531
	48581
	89894
Vesna N M	27300
Vesselinovitch D	62939
Vestad O	9783
Vestad R	58047
Vester C F	93330
Vestergaard E C	56299
Vestia M C	72750
Vestia M da C	72696
Veterinary Economics	45362
Veterinary Serv Council	3208
Veth J A C	15816
Vetkasov V K	90204
Vettel F	25347
Vettel F K	42437
	43162
Vetter H	18380
	18381
	51856
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	77743
	78742
Vetterlein E	82555
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Vettori L	17941
Veveris J	89230
Vevers G	21014
Vexler A	8850
Veyret Y	8796
	24673
Vez A	69437
	77744
Vezda A	33018
Vezekenyi E	52866
Vezina P E	2778
Vezirova N B	69121
Vezzosi F	15341
Vhristensen B W	51512
Via Coll J	25385
Viado J	18708
	70983
Viaene N	46284
Vial E E	65493
Vial V E	80994
Vialas G	61876
Viali G	13410
Viallet A	45139
Viana J A C	79943
Viana M J	81913
Vianna L C	22014
Vianna E Silva M	31533
Vianu G	2815
Viaplana A	65585
Viaud G	20536
Vibe P P	63079
	79944
Vibert A	61109
Vibert R	85772
Vicard A	45689
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Vicent V	85773
Vicente J	17828
	78552
Vicente M	60239
	77522
Vicente-Chandler J	43393
	70665
Vicente Orozco J	61582
Vicentijevic C	90756
Vicenza Camera di Commercio Industria e Agricoltura	94796
Vicinelli P	66601
Vicino Bermudez J A	12376
Vick A R	86379
Vickerman K	47049
Vickers C L	3889
Vickers J E	11022
Vickery C A	28935
Vickery H B	25257
Vickery J W	58718
Vickery L S	22925
Vickery R K	788
	33689
	50908
	76926
Vickery V R	5585
Vickrey F W	80725
Victor Velasquez J	94456
Victoria Chamber of Agriculture	40880
Victoria Country Roads Board	47714
Victoria Dept of Agriculture	23848
	34372
	88824
Fodder Conservation Br	13396
Poultry Br	12046
State Research Farm	58472
Victoria Dried Fruits Board	65823
	93672
Victoria Forest Commission	2576
	70984
Victoria Soil Conservation Authority	78966
Victorov G A	92566
Vida L	86953
Vidakovic M	79358
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Vidal H	35542
	35543
Vidal J	58608
Vidal J E	42169
Vidal P	35548
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Vidal F C	18382
	78743
Vidano C	21311
	38348
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Vidanovic M	4030
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Videira e Castro A	61583
Vidler B O	82170
Vidme T	25952
	43833
Vidotti G	81914
Vidyabhushan R V	69981
Viedma M G de	38517
	81915
	82652
Viegas A P	33019
	33329
Viegas G P	35418
	35419
Viehmeyer G	9784
	60842
Vieillefon J	35262
Vieira D T	83279
Vieira J A	23222
Vieira M	74631
Vieira M I	46094
Vieitez E	67943
	70103
Viel G	50247
	58385
	67944
Vienna Agrarwirtschaftliches Institut	57892
Vienna Bundesanstalt für Pflanzenschutz	58906
	67753
Vienna Bundesanstalt fur Pflanzenbau und Samenprufung	43077
Vienna Osterreichisches Institut fur Wirtschaftsforschung	66602
Vienna Versuchsstation fur das Garungsgewerbe	83706
Viennot-Bourgin G	33330
	41915
Vieregge G	25863
Viergever T	85458
Vierheller R C	80583
Vierkotter S	74430
Vierling R	71857
Vierneisel H	54567
	72300
	91266
Vierockl J	71700
Vieser C A	28932
Vietnam Commissariat General for Cooperatives and Agricultural Credit	15342
Vietnam Ministry of Agriculture and Forestry	23223
Vietnam Vien Quoc-Gia Thong-Ke	49011
Viets F G	18383
	25162
	26558
	51081
	61182
Viets K O	4962
	29324
	29325
	38059
Viette P	21436
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	29741
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	38519
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Vieweg B K H	43834
Vigdorchik M E	32688
Viggiani G	29167
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Vigh A	85081
	94078
Vigier P	3911
Viglierchio D R	8641
	8642
Viglundson P P	76431
Vignato A	93247
Vignaud	66368
Vigneron J	52450
Vignes E C	83977
Vigorov L I	25163
	42331
Vigovskii A I	20607
	20640
Vigue R F	19936
Viguerie P de	56958
Viidalepp J	21437
Viileberg L	68401
Viitanen M K	93167
Vij V N	1287
	51211
Vijayalakshmi K	26052
	52569
Vijayalakshmi U	8643
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Vijayan P K	77904
Vijayaraghavan P K	13443
Vijverberg A	63927
Vik J	1738
	43449
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Vik T	90327

	Item
Vikeland N	61450
Vikhrov V E	90378
Viktorov G A	55467
Viktorov P I	63410
Vikulov S F	26694
Vilain M	78279
Vilardebo A	24488
	77297
Vilarov L M	10133
Vilas L M	15286
Vilbaste A	20686
Vilbaste G	15680
Vilbaste J	47052
Vilcek J	79945
Vil'chinskii M E	9339
Vil'chinskii S T	57500
Vil'chyns'kyi M M	69730
Vildosola Almada G	15122
Vilegas Delgado M A	62353
Vilenskii D G	35263
	70474
	70475
	70837
Vilenskii E	47605
Vil'gusevich I P	35177
	43987
Viljhalmsson S	74707
Viljoen G D	72124
Vilkova N A	63963
	73256
Villa E	54450
Villa L J	73136
Villadolid D V	9196
	18249
	23694
Villalon F	54953
	71701
Villamarin Gutierrez H	60471
Villamil G F	84130
Villanua L	30144
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Villanueva J R	60332
	68209
Villanueva L J	40199
Villanueva M	63280
Villanueva Novoa R	42438
Villanueva Rodriguez C	82493
Villareal E P	40198
Villareal R L	52089
	88339
Villarico E	44283
Villasana R	3309
Villat J	75863
Villavicencio M H	19937
Villegas V	62272
	63411
	63565
	67098
Villela A M	6166
	41035
Villele O de	59835
Villemain G	14195
	52700
Villemot J M	11583
	27889
Villemont J M	54033
Villena D W	88457
Villiers A	9197
	21155
	21312
	21313
	21314
	26133
	29570
	37604
	38349
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	55717
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	82223
	82342
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	88045
Villiers O D de	18384
Villiers O d'H de	35420
Villiers T A	26922
Villinger O C	37185
Villot A	40881
	57666
Villoutreix J	16925
Villumstad E	55619
	82009
	82010
Vilmorin de	8188
	15577
Vilmorin R de	50909
	58563
	87472
Vil'ner E A	92010
Vil'ner R	36473
Viltos A J	51006
Vil'yamson V I	73257
	81711
Vilyatser M G	44854
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Vimmerstedt J P	53248
Vimoke B S	2461
	53009
Vimoke-Suntava B	70226
Vinals M A	30434
Vincent	20019
Vincent A B	79180
Vincent A E	1708
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Vincent A J	18829
	18830
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Vincent G	71285
	71286
Vincent G T	66871
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Vincent H	34850
Vincent J M	2145
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Vincent L A	66603
Vincent L E	55551
Vincent M	8606
Vincent P Y	19134
Vincent W H	22994
Vincent Z D	20040
Vincente-Chandler J	35160
Vincenzetti P G	34204
Vincenzo S	88046
Vinck F	26559
Vincze L	28627
	32018
	46214
	72970
	72971
Vind R	11283
	45363
Vindel J A	80893
Vindt J	87272
Vine H R	92986
Vineall A J P	39048
Vinel J	10134
Vines H M	65806
	65824
	65825
Vines I	78560
	78588
Viney R	79076
Vinh La X	40199
Vink A P	59193
Vink A P A	23428
	70412
Vink L A	11696
Vinke N P	51370
Vinkenborg J	9973
Vinnem J E	57727
Vinnitskaya L S	59050
Vinnitskii S Ya	47387
Vinogorov G K	10916
Vinograd J R	57238
	57239
Vinogradov A K	67754
Vinogradov A P	61259
Vinogradov B I	17010
Vinogradov I S	42439
Vinogradov V V	29276
Vinogradov V Ya	28531
Vinogradova E B	29513
	55842
Vinogradova K L	232
Vinogradova V M	87229
Vinokhodov V A	80462
Vinokur A V	49021
Vinokurova I K	10763
Vins B	26951
	44704
	71069
Vinski I	94172
Vinson J W	28933
Vinter V	82107
Vintikova H	44057
Vintila E	2885
	10957
Vintila I	78508
	89631
Viola S J	31252
	75403
Violetto A	85459
Vioque E	7114
Vior C	80884
	80894
Vipper P B	86381
Vipper V N	79406
	87230
Virag A	59085
	61002
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	68566
	89396
Virag J	66089
Viraktamath C S	6146
	13653
	39186
Viranyi L	43207
Virat B	12256
Virdi S S	43835
Virgillito G	81815
	84178
Virgin B	55014
	55027
Virgin H I	68402
Virginia Academy of Science	41147
	41148
	67170
Virginia Dept of Agriculture and Immigration	6670
	39255
	63138
Div of Chemistry and Foods	32515
Div of Plant Industry	7333
	48987
Virginia Feed Convention and Nutrition Conference	63138
Virginia Hereford Association	3310
Virginia Polytechnic Institute Blacksburg Agronomy Dept	88306
Virginia Poultryman	93992
Virginia State Dairymen's Association	56621
Virginia State Feed Association	63138
Virginia State Horticultural Society	88825
Virginia State Poultry Federation	91602
Virmani K C	30754
Virmaux N	11369
Virnes E	9513
Virnik D	11203
Viro P	18913
Viro P J	10678
	79263
Virot R	8189
	87141
Virtanen A I	9318
	20786
	22341
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	69188
	84218
Virtue B T	82929
Virunnan K K	75607
Virville W D de	33568
Vis H J M	85137
Vischer W A	45691
	84604
Visco S	15482
	38920
	84390
	86094
Viscontini M	21438
Visek W J	62486
Vishevskii E A	14626
Vishnevetskaya S G	52364
Vishnevskaya B N	43040
Vishnevskii A M	43342
Vishnevskii S I	89231
Vishnevskii V V	60472
Vishnevsky P F	61584
Vishniac W	1356
	87764
Vishnoi S L	21760
Vishnyakov N	27682
	62705
Vishnyakov N K	27294
	54238
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	79726
Vishnyakov Yu	3204
Vishram T M	23639
Vishveshwara S	21961
	60240
Visinsky J	82996
Visker H J	29982
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Viskin S	14326
Visnjic C	91465
Visnyovszky Zs	43639
Visocchi V	57893
Visoianu I	27010
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Vissac B	28726
Visser H C	78744
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Vistelle R	89487
Visvanathan T K	84013
Viswanathan C V	62280
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Viswanathan P N	34337
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Viswanatham T	39221
Visweswariah K	7328
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Vit J J	62940
Vit R	44947
Vita L A	53983
Vita R de	26288
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Vita-Finzi E O	44450
Vitagliano M	6254
Vitale J J	90757
Vitali G	56096
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Vitali W	40527
Vitanov D R	89210
Vitanov M	86592
Vitanovic R	81542
Vite J P	5045
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Vitello V	75835
Vitgeft A E	44058
Vithayathil P J	30143
Vitkalov V P	28335
Vitkevich V I	15592
Vitko A M	10304
	10305
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Vitko K R	92250

	Item
Vitkovskii V L	59656
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Vito Z	84666
Vitolin' Ya Ya	27674
Vitols E	68311
Viton A	48951
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Vitovtova M I	45063
Vitry F de	25037
Vitt V O	63172
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Vittet N	58626
Vittoria A	54034
Vittorio F	29109
Vittoz R	39964
Vittum M T	25830
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Vitums A	28059
Vitvitskii G N	70227
Vityuk S A	73216
Vivaldi G	12679
Vives Abello J	78693
Vivier	62287
Vivier P	32565
Vivona A	88047
Vix H L E	74963
Vlach E F	34056
Vlach M	88458
Vlachos M	16759
Vladica G	75959
Vladimirescu I	26561
Vladimirov B	70000
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Vladimirov V	9540
Vladimirov V E	43925
Vladimirova E V	51320
Vladimirova M G	34157
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Vladimirova N I	27134
Vladimirskaya N S	81654
Vladu C	51968
Vladu I	51968
Vladutiu O	27890
Vladychenskaya N S	87956
Vladychenskii S A	26053
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Vladymyrova E V	42792
Vladymyrova O V	78404
Vlaheli I	10679
Vlahos C	4069
Vlahov R	31396
Vlamis J	8702
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Vlas I	89626
Vlasenko L I	69249
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Vlasenko M D	69680
Vlasin R D	47715
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Vlasiuk P A	18230
Vlasov A A	86957
Vlasov M V	63964
Vlasov S I	44886
Vlasov S N	14738
Vlasov V I	86382
Vlasov V M	36216
	36352
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Vlasov Yu I	16158
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Vlasova K S	34522
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Vlasova T I	47670
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Vlasyuk I I	60589
Vlasyuk P A	9198
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Vlcek F	25865
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Vlcek G	30417
Vlcek Z	62487
Vleeschauwer A de	74750
Vlieg P	72215
Vliet E van	50941
Vliet M van der	20787
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Vlijm L	46903
Vlimmeren P J van	75490
Vlitos A J	9200
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Vlk L	10470
Vlodavets V V	78461
Vlora A K	79564
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Vloten H van	58437
Vloten J M van	41211
Vlugter H	26562
Vnuchkova V A	42440
Vnuk B A	74174
Vnuk L	78746
Voblikova N V	37592
	92051
Voce B	35842
Vockeroth J R	5167
	21249
	82439
Vodarici C	56579
Vodenicharov D G	233
Voder W J M	27
Vodolagin V D	8547
Vodonik J L	84040
Vodopivec S	11785
Vodop'yanova N S	68201
Vodrazka J	11697
	91251
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Vodret A	57400
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Vodzinskii Yu V	48812
Voedingvereniging van Suidelike Afrika	94815
Voegeli M M	48719
Voelkel Z	80195
Voelker D E	90935
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Voelker H	19772
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Voelker W A	6158
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Voët D van der	18836
Voeten A C	3990
Voevodin A V	511
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Voevodin O A	69891
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Vogel W de	67171
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Vogelenzang H A	3209
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Vogelsang E G	62488
Vogl M	60242
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Vogt P K	72678
Vogt W	17629
Vogt-Kohne L	5168
Vohra S K	16370
	77395
Vohringe K	72428
Vohringer H	48153
	48154
Voichal' P I	53427
Voiculescu M	87497
Voight A O	2981
Voight J E	8170
Voigt A	72697
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Voigt A O	53702
Voigt D	83218
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Voigtlander G	2348
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Voinea M	57062
Voinescu R	25252
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Voinov V	53659
Voinova-Raikova Zh	2166
Voinovskaya K K	69125
Voisey P W	15681
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Voisin A	27295
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Voit I	5713
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Voitchishin N V	88459
Voitenko F V	88492
Voitenko M I	57767
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Voitov P I	5714
	21605
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Voitova L R	86784
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Voitsekhovskaya T V	27833
Vojinovic Z	2167
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Vojnovich C	65844
Vojtiskova M	3826
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Volcani R	27816
Volcani Z	522
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Volchkov I	93368
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Vol'fkovich S I	10501
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Volger C	59086
Volger E	76984
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Volik A	74084
Volik A F	92792
Volin L	76069
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Volina L M	62166
Volintir V	81126
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Volkert G R	17538
Volkmann D	42698
Volkmann J	71070
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Volkmann K	36882
Volkopyalov B P	63570
Volkov E N	94813
Volkov F I	26923
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Volkova L I	68863
Volkova L P	6991
Volkova N A	58564
Volkova O I	22897
Volkova R M	73679
Volkova V N	36771
Volkovich K	88373
Volkovich K V	88460
Volkspartij voor Vrijheid en Democratie Studiecentrum	7562
Vollaers J A	38654
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Volleidt L P	68901
Vollhardt Y	12136
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Vollmar G J	40625
Vollmer A	52869
Vollmer F J	18246
Vollmer M J	14932
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Vollrath H M	45541
Volmes P B	90022
Voloboev V	9854

	Item
Volobuev V P	61003
Volobuev V R	52570
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Volodarskii N I	25386
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Volodenkov F I	19136
Volodin V	7372
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Volodina M I	36173
Volod'ko I F	38866
Volodos' A A	78747
Volosenko A N	60843
Voloshin G A	58908
Voloshin M P	60844
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Voloshin V	84283
Voloshina A P	78322
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Volosov Yu	14183
Volosov Yu V	75240
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Volozhin A I	90423
Volozina N V	55843
Volpi B	19773
Volpini C	44606
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Volskis G	3117
Vol'ter V G	29870
Voluznev A G	60636
Voluzney A G	25572
Volz M	93579
Vomocil J A	35280
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Vomperskii S E	16402
Vomsattel M	20972
	46695
Von Abrams G J	60846
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Von Althen F W	17924
Von Bergen W	30882
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Von Blon P	6845
Vondeling A	5925
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Vondell R M	5970
	5981
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Von der Mehden F	67276
Vondracek J	25164
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Vondracek V	80885
Vondrak J	63368
Vondrasek B	45235
Vonesch E E	22327
Von Gunten R L	56708
Von Halle E S	92475
Von Hippel P H	57249
Von Linsowe C V	47520
Von Maltzahn K E	42901
Von Nardroff E	85676
Von Pein J R	25953
Von Ramm C	59087
Von Rudloff E	45095
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Von Sydow B	50422
Vontobel J	15287
Von Tungeln G	15409
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Von Tungeln G R	48393
	75173
Voo E E van der	8658
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Voorburg J H	56282
Voorde P van der	94278
Voorhees J J	93754
Voorhees W B	9996
Voorhis H J	58235
Voorhis J	49566
Voorst F T van	57401
	84858
Voorthuysen J H van	24542
Vora J C	10130
Vora J C	18217
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Voracek V	78544
Vorakso V	79458
Voravan C	27946
Vorbeck M L	7115
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Vorel J	33569
Vorhauer H	83123
Voris C R	43878
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Voris J	37141
Voris J C	46077
Vorlickova B	57517
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Vorob'ev D V	59340
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Vorob'ev G I	94457
Vorob'ev K N	53543
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Vorob'ev N	25916
Vorob'ev S A	1444
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Vorob'eva E A	31566
Vorob'eva E Ya	36046
Vorob'eva G A	68403
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Vorob'eva I P	68807
Vorob'evskaya M	51328
Vorona G B	14585
Voronenkov N D	8071
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Voronin A	40283
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Voronin A D	70308
Voronin I V	85775
Voronina K G	85319
Voronina K V	67304
Voronitsyn K I	44948
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Voronkov N A	61853
Voronov A G	15578
Voronov V N	45457
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Voropaev G V	26563
Voropaeva K	60399
Voropaeva K A	1489
Voropanov P V	26763
Voros J	50345
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Voros K	67235
Voroshilov K	54451
Voroshilov N N	23935
Voroshilov V N	41471
Vorotilov M A	27675
Vorotyntseva A F	92176
Vorovskii V M	58100
Vorreiter L	53703
Vorren Ø	62523
Vorsatz E	70001
Vorster G	67127
Vorster J A	29871
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Vorster P J C	30033
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Vorwerk J	32105
Vos A de	63793
Vos H	80120
Vos H J	48820
Vos H W	7448
Vos J L	70721
Vos M P de	50823
Vos N P de	77229
Vosa C G	840
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Vose A A	39350
Vose H H	52070
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Vose P B	77745
Voskan'yan S S	69129
Voskoboinikov V M	11586
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Voskresenskaya A K	29778
Voskresenskaya G S	42441
Voskresenskaya I R	9680
Voskresenskaya N P	34215
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Voskresenskii N M	5539
Voskresenskii S A	35938
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Vosler L C	1625
Vosloh C J	22162
Vosloo L	12082
	12083
Vosloo L P	72816
Vosloo W A	15042
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Voss H	57783
Voss L A	80751
Voss O	54452
Voss R	70666
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Vossschmidt T	23570
Vosters H L	93524
Vosters J B	66304
Vostokov A I	75774
Vostrikov N A	7449
Vostrikov N I	91131
Vostrov I S	44060
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Vostrukhina T M	86383
Voth V	8423
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Votoupal B	51401
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Vout A W	32415
Voute A D	64237
Voute E J	63375
Vovchenko F Ya	72797
Vovk A M	42046
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Vozdova G	67946
Vozhdaev N	71858
Voznesenskii E N	52895
Voznesenskii V L	34216
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Voznyakovskaya Yu M	60243
Voznyi V P	19114
Vozzo J A	70395
Vrabac M	54453
Vranchan Z E	20612
Vrakin V F	62489
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Vranka J	63572
Vrany J	77746
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Vrazic O	73586
	73587
Vrba C	79946
Vrba L	66488
Vrbensky V	76344
Vrbova J	65011
Vrbova J	65992
Vrcelj-Kitic D	89440
Vrdoljak J	8820
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Vreemen F	13977
Vrie A van de	64840
Vrie A I van de	1739
Vriend J I M	13165
Vries D M de	88706
Vries E de	49204
Vries G A de	33020
	45365
Vries H de	59
Vries H A de	83034
Vries J de	2063
	63454
Vries J E de	65071
Vries P de	70667
Vries P G De	53251
Vries T de	89709
Vrignaud Y	83945
Vrkoc F	89399
Vrkocova M	43258
Vroomen F	75043
Vrtalik A	60590
Vrtiak O J	46050
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Vrydagh J M	12852
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Vrzalova J	69132
Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk imeni V I Lenina	24757
Vsesoyuznaya Nauchno-Prakticheskaya Konferentsiya po Problemam Veterinarnoi Sanitarii	6012
Vsesoyuznoe Nauchno-Tekhnicheskoe Soveshchanie po Zashchite Vinograda ot Boleznei i Vreditelei	6982
Vsesoyuznoe Soveshchanie po Proizvodstvu Kukuruzy	8403
Vsesoyuznyi Institut Ekonomiki Sel'skogo Khozyaistva	51702
Vsesoyuznyi Komitet Standartov	7358
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Agrolesomelioratsii	93755
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Ekonomiki Sel'skogo Khozyaistva	26969
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Gidrotekhniki i Melioratsii	15063
	26564

	Item
Vsetecka K	46904
Vsevolodov B P	62941
Vsyakikh A S	19686
	36158
	62619
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Vu V C	24543
Vuatrin B	65826
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Vucic J	70668
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Vucic N	89897
Vuckovic N	79106
Vuijk J	32867
Vuillaume M	46696
Vuillaume R	19601
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Vujadinović V	69373
Vujanic N	89779
Vujic B	54976
Vujosevic J	54454
Vukalovic B	80103
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Vukavic D	27585
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Vukovits G	33331
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Vulchanov D	62329
Vulchanov D I	53772
Vulchanov V H	27208
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Vulchanov V Kh	90812
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Vulic M	33366
Vullin G	33332
Vullings W P	25544
Vuorinen J	52451
Vulpe K	72972
Vulpen F A van	75892
Vulpescu I	11138
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Vuorinen A P U	6322
Vuyst A de	79727
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Vvedensky G A	83317
Vyalysheva T I	54740
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Vyatkin G	7292
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Vykhodtsev I V	58565
Vyncke A	94021
Vyplel K	44949
Vyrbanov Ts	75077
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Vyshchepan A	5926
Vyshelesskii S N	36353
Vyskot M	18914
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Vyskozil N	30572
Vysloukh V A	34163
Vysots'ka M O	835
Vysotskaya L E	83707
Vysotskaya O M	66015
Vysotskaya P N	52571
Vysotskaya S O	55708
Vysotskii A A	43304
Vysots'kyi H A	86958
V'yugina N G	43522
Vyzgo V S	89950
Vyzhigina A P	32566
Vznuzdaev N A	10013
Waal G A v d	31080
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Waal R van de	85776
Waaler O	60847
Waananen M	3041
Waananen M V	74765
Waart C de	16974
Wace N M	24544
Wachendorfer G	12010
Wachhilde M	83808
Wachnik Z	20110
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Wachsmuth H	94253
Wachter H	2756
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Wachter H V von	71703
Wacinska M	31038
Wacker	23225
Wacker F	52679
Wacker G	43305
Wacker H	85898
Wacker H D	61004
Wackerman A E	61725
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Wade C V	82509
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Wade R H	30884
Wade W H	13043
Wadell L H	11456
Wadenswil Eidgenossische Versuchsanstalt fur Obst- Wein- und Gartenbau	25545 41719
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Wadhi S R	73064
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Wadhwani B B	76345
Wadia M J	6590
Wadley B N	24447
Wadsworth D F	86959
Wadsworth F H	10792
Wadsworth S E	25078
Waede M	12755
Waeser B	26643
Waffenschmidt D	26565
Wafford H S	65582
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Wageningen Centrum voor Landbouw-publikaties en Landbouw-documentatie	40528 49205
Wageningen Instituut voor Bewaring en Verwerking van Tuinbouwproducten	84391 93673
Wageningen Instituut voor Biologisch en Scheikundig Onderzoek van Landbouwgewassen	9340
Wageningen Instituut voor Cultuurtechniek en Waterhuishouding	10434
Wageningen Instituut voor de Veredeling van Tuinbouwgewassen	17630 52149
Wageningen Instituut voor Graan Meel en Brood TNO	75366
Wageningen Instituut voor Landbouwtechniek en Rationalisatie Afdeling Mechanisatie Cultuurtechniek	13160 38710
Wageningen Instituut voor Plantenziektenkundig Onderzoek	24181
Wageningen Instituut voor Rassenonderzoek van Landbouwgewassen	17090 17091 17092 25508 43163 43164 43165 43166 43208 43659 43660 43661 43879 51805 52150 52151 52152 52153
Wageningen Instituut voor Tuinbouwtechniek	9567 17293
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Wageningen Rijksproefstation voor Zaadcontrole	57496
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	Item
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Waites G M H	37186
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	Item
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Wallaces Farmer Research Dept	75864
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Walrecht B J J R	20973
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Wang W H	33785
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Wanntorp H E	92415
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Wantland D	78915
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Warburton J H	78967
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Wardlaw I F	1174

	Item
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Wardrop I D	4154
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Warsaw Instytut Hodowli i Aklimatyzacji Roslin	78008
Warsaw Panstwowe Tory Wyscigow Konnych	11822
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Washington Dept of Agriculture	67173
Washington Farm Electrification Committee	74368
Washington Forest Protection Association	53463
Washington State Forestry Conference	35630
Washington State University Agronomy Dept	60474
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Watkins R W	66273
Watkins T C	7803
Watkins W P	94736
Watko L P	62781
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Watling D E	69893
Watling R	33023
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Watorski J	48394
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Watrach A M	62888
Watrel A A	87375
Watrelos D	59966
Watrous R C	34855
Watson A	29742
Watson A A	14570
Watson A J	2932
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Watson C A	69438
Watson C E	51807
Watson C M	6594
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Watson D F	12163
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	28532

	Item
Watson D F--Cont	28548
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Watson D J	49352
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Watson D P	12011
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Watson R	28877
Watson R C	40123
Watson R H	4072
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Watson R L	3412
Watson S A	31201
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Watson S J	5795
Watson T R	25259
Watson W	36842
Watson W A	63412
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Watson W R	17542
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Watt A S	59341
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Watt B K	56360
Watt G J	7716
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Watt I C	6595
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Watt I D	7018
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Watters F L	37790
	64048
Watters G G	56981
Watters P S	61294
Wattiaux J M	73715
Watts A	17861
Watts A B	40060
Watts A B--Cont	48844
Watts B M	14400
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Watts D S	10810
Watts F	40409
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Watts J O	47672
Watts J T	31488
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Watts R E	62357
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Watts W A	32689
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Waugh D L	52530
Waugh F V	13436
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Waugh I M	3634
Wauschkuhn B	48105
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Wauthy R	17259
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Wave H E	21315
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Waveren H G van	45694
Wawrik F	41216
Wawrzkiewicz J	27461
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Wawrzkiewicz K	46285
Wawrzyniak M	45866
Waxenegger I	13445
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Way M J	4838
Way R D	25618
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Waygood E R	512
Wayman C H	10137
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Weakley F B	31420
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Wearden S	11718
Wearmouth W G	6339
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Weatherford W D	94626
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Weaver A D	45695
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Webb T L	90391
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Webber E R	85138
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Webber J	35619
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Webber R T J	89898
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Weber J R	1401
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Weber N A	12981
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Weber W T	11693
Weber-Schutt G	30145
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Webley D	67756
Webley D M	18120
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Webley D P	81727
Webre A L	40201
Webre B G	6459
Webster A	26484
Webster A B	43836
	43837
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Webster A J	60850
Webster C	39222
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Webster D J	80096
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Webster G C	56361
Webster G L	32868
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Webster G R	48953
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Webster H H	2607
Webster J	307
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Webster J E	24717
	48125
Webster L	67276
Webster L V	1295
Webster M W	39881
Webster O J	45514
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Webster R C	39324
Webster R S	63082
Webster W	27005
Webster W M	54455
Weck J	18666
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Weckers E	61034
Weckman K J	30017
Weckström G	41506
Weckwerth R P	64271
Weckx M	93425
Weddell E	11139
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Weddell W	12014
Wedding K U	18872
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Wedding R T	1296
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Weddle C L	31650
Wedel H	70890
Wedel I	34528
Wederbrand O V	75492
Wedin K	27582
Wedin W F	12097
	12098
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	69625
Wedman E E	11298
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Weed Society of America	35056
Weeden C	13826
Weeden N P	53464
Weekman G T	20793
	55388

	Item
Weeks B N	3709
Weeks G R	94797
Weeks L V	9124
	52435
Weeks M E	10514
	38684
	54167
Weeks O L	69887
Weeks S	18703
Weeks S B	54456
	57014
	58072
	66506
Weeks W D	43426
Weeks W G R	85668
	85669
	93994
Weenink R O	51576
	1309
Weeraratna H	44163
Weeraratne V	16159
Weerden E J van	45204
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Weeth H J	3409
Weetman G F	34225
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Wege C	41037
Wegelius T	71390
Wegemann W	65480
Wegener D	56215
Wegener W	30888
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Weger B	30436
Wegner	72487
Wegner I G	25786
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Wegner R M	36078
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Wegner T	63438
Wegorek W	29406
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Wegrzynowicz R	90758
	91269
Wehlburg C	8397
	50462
	77081
Wehmeyer L E	86594
Wehowsky G	47563
Wehr E E	72699
Wehrli H	93757
Wehrli W	77832
	77833
Wehrmann J	25169
	44780
	44781
Wehrmeyer W	8798
	50827
	68406
Wei C T	35300
Wei P H	38196
Weibel D E	12450
Weibel J	54798
Weibel R	41488
Weibull W Ab	9341
Weichert C K	80584
Weichlein R	1323
Weichsel G	88061
Weick F E	47522
Weick R	94804
Weide H	67520
Weide J J	71969
van der Weide K D	20392
	62493
	63678
	63679
	81333
	91921
	91922
Weidema W J	90328
Weidemann J F	84739
Weidenbach C P	12419
	37606
	55371
Weidenhagen R	31594
Weidenhamer M	6596
Weidenmuller H	28348
Weidermann K	19021
Weidhaas D E	81603
Weidhaas J A	86686
Weidinger A	6505
	57204
Weidler A M	24882
Weidlich N	36738
Weidner H	21031
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Weidner R	9790
Weier T E	33744
Weigel C A	81831
Weigel M	40025
Weigl J	77611
Weigle R N	23362
	23363
	23364
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Weigold G W	49645
Weihe J	90285
Weihenstephan Milchwirtschaftliches Institut	93436
Weihenstephaner Hochschultagung	40531
Weihing J L	24184
Weihing R M	13393
Weij H G van der	17805
	35057
Weijer W	65177
Weil C S	25886
Weil J E	76150
Weiland G	19420
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Weiler H	53759
Weiler J E	65080
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Weimann H J	35688
Weinberg B	31421
Weinberg W E	83512
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Weinbren M P	46420
Weindling R	51410
Weindlmayr J	9205
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Weiner L I	65582
Weinfurtner F	13672
	13673
Weingartner H	22976
Weinheimer A J	71391
Weinhold A R	8548
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Weinhold W	71970
Weinkauff H C C	25568
Weinkauff O J	30437
Weinmann H	25170
Weinmann L	47203
Weinmeister B	47481
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Weinrich C	65504
Weinschenck G	85179
Weinstein F	29326
Weinstein L H	24430
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Weintraub J	4564
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Weiss E	45366
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Weiss R E	18099
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Weissenfels N	54830
Weissker A	18667
Weisz P B	86143
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Weitzell E C	15289
Welch A M	32690
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Welch C L	17131
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Welch D S	86686
Welch F J	7565
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Welch J R	73670
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Welch N H	51411
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Welch R G	66395
Welch R M	27586
Welch S F	80280
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Welden A L	24107
Weldon R	77973
Weleczka J	83292
Welento J	81334
Welker W V	52334
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Welkie G W	33376
Wellensiek S J	16772
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Weller M	39965
Weller M W	50645
Weller R A	63538
Wellham D W	12012
Wellhausen E J	89404
Wellhoener H J	14311
Wellington G H	11537
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Wellington P S	7236
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Wellman R H	93182
Wellmann	80197
Wellmann G	20537
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Wellmann I	67224
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Wellner C A	18919
Wells A	20721
Wells A W	31050
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Wells B W	709
Wells C B	2233
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Wells C G	10794
Wells C M	56838
Wells D A	65020
Wells D G	17013
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Wells E A	91133
Wells F E	40124
Wells H D	1568
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Wells J	24901
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Wells J A	61664
Wells J C	627
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Wells J C--Cont 60717
Wells J O 74752
Wells J P 51653
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Wells J S 1828
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Wells K 58814
Wells K E 4166
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Wells M J 61
Wells N 18232
Wells O V 8011
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Wells P A 57390
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Wells P V 15818
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Wells R D 35265
Wells S A 20794
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Wellso S G 82805
Wellwood R W 36083
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Welschof G 39876
Welsh H 24068
Welsh M F 590
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Welsh R S 50521
Welsh S L 67522
Welsh Agricultural Organisation Society 76500
Welsh Black Cattle Society 19688
Welsh Mountain Sheep Society 37187
Welsh Pony and Cob Society 36884
Welshons W J 92475
Welte E 11669
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Welter C J 28061
Weltzien H C 33336
Welvaert W 59083
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Welz W 3584
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Wembeck K 22541
Wemmenhove R 4024
Wen H P 35353
Wen T W 38060
Wenberg S J 32231
Wencl J 71359
Wendel D E 30686
Wendel K 75775
Wendelberger E 35752
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Wendelberger G 58720
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Wendelbo P 67523
Wendell M 2379
Wender S H 22344
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Wendle H M 27160
Wendler G 29779
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Wendling H 5959
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Weng T S 773
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Wenger R 76613
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Wengler U 37831
Wengris J 46521
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Wenhardt A 52896
Wenig K 29547
Weniger 84667
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Weniger J H 12229
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Wenk G 61740
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Wenk P 55845
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Wenner L 13285
Wennerblom A 11051
Wennergren E B 7173
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Wensley R N 9065
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Wentworth B C 3970
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Wentzel K F 44855
Wenzl H 367
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Wepfer K 64841
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Wepfer T 46697
Werbun H 83281
Werda K 72701
Werenfels L F 52972
Weresub L K 8318
Werk O 11669
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Werkgroep Cooperatieve Melkvee-Houderik 23377
Werkmeister F 55032
Werminghausen B 10309
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Wermke M 88308
Wernberg N E 54043
Werneke F 28388
Werner E 36897
80465
Werner F 71392
Werner F F 64393
Werner F G 5047
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Werner H J 10604
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Werner W 18048
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Wernet R F 79027
Wernham C C 9404
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Wernham J O 10884
Werren F 53630
Wersching S 31264
Werschnitzky U 23404
Werthan S 2865
Wertheim G 55518
Wertheimer M 52689
Wertman F L 76897
Werz G 25173
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Weschke K H 22899
Weseli D J 11718
Wesemael J C van 2112
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Weseth G 5776
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Wessel R D 55521
Wessela C P 12667
Wesseling J 26054
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Wessells N K 28350
Wessels C C 20353
Wessels H 84804
Wessels J S C 51578
Wessels T C W 62632
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Wessen V 57703
Wesser G 73999
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West A J 71332
West A S 4464
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West A S--Cont 82108
West B E 66370
West D 40955
West G 41149
West G W 6598
West J A 44125
West J G 43718
West L C 6713
West O 85507
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West R G 15683
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West S H 16773
West T de W 62
West T F 55246
West V I 13490
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West W B 53645
West W I 2552
West-Maerbeeck R B de 32022
West African Cocoa Research Institute 9974
West African Institute for Oil Palm Research 93248
West African Institute for Trypanosomiasis Research 26003
West African Rice Research Station SEE Rokupr Sierra Leone 27466
West African Rice Research Station
West African Timber Borer Research Unit 20928
West Bengal State Statistical Bur 13609
West Coast Lumbermen's Association 14312
West Cumberland Farmers Trading Society 45021
West Indies (British) Central Sugar Cane Breeding Station 71483
West of Scotland Agricultural College 49567
West Pakistan Dept of Agriculture 25511
West Virginia Academy of Science 15045
43170
94459
31203
31204
31205
39579
65950
75609
84403
15519
41150
10502
13917
14588
22821
44532
48155
West Virginia Home Demonstration Clubs 66969
West Virginia State Conservation Needs Committee 61628
West Virginia University Dept of Agronomy and Genetics 94875
Dept of Animal Husbandry 94875
Westaway S J 34857
Westberg N O 2817
Westbrook C O 66970
Westby R S 88189
Westcott C 86722
Westcott E R 94256
Westdal P H 46522
Westendorp T 13286
92903
92904
Wester R E 55472
Westerfeld W W 54734
54735
Westerhof J J 70839
Westermann H 32338
Westermarch N 7367
Westermarck H W 54457
Westermarck N 30017
Westermeyer 39325
Western J H 58911
Western Agricultural Economics Research Council 66854
Committee on the Economics of Range Use and Development 66854
Committee on the Economics of Water Resources Development 66854
Western Australia Dept of Agriculture 15520
Plant Pathology Br 16093
Western Australia Egg Marketing Board 513
Western Australia Forests Dept 48864
Western Australia Milk Board 26718
Western Canadian Society for Horticulture 35631
Western Canadian Weed Control Conference 30495
Western Colorado Horticultural Society 17294
Western Economic Association 43838
Western Farm Economics Association 43360
Western Farm Equipment 85180
Western Forest Tree Seed Committee 31652
56099
2758

	Item
Western Forestry and Conservation Association	44654
Western Grain & Feed Association of Iowa	48583
Western Livestock Journal	39957
Western Snow Conference	53014
Western States Meat Packers Association	48722
	75493
Westfalische Landwirtschaftliche Berufsgenossenschaft	75903
Westfall M J	56045
Westfall S E	17216
Westgaard P	6450
	54242
Westhoff V	8701
	59286
Westhues M	3212
Westhuizen J P v d	74634
Westigard P H	12565
Westin F C	2234
	35266
Westing A H	34338
Westlake W E	21793
	92222
	92223
Westmeyer H W	57983
Weston L H	29824
Westpfahl U	28351
Westphal A	15579
Westphal W	84709
	90143
Westphalen F A	40532
Westsik V	70670
Weststeijn G	15927
Westveld R H	53298
	53299
Westwood D	3735
Westwood J C N	12050
Westwood M N	34659
	43427
Weswig P H	91382
Wet J M J de	141
	16437
	50097
Wetherell A R W	56921
Wetmore J M	49045
	57668
	76071
Wetmore R H	8725
	15684
	50828
Wetroff G	78179
Wetselaar R	17193
	18049
	18050
Wetter C	42049
	33422
Wetterau H	45196
	54243
	71704
Wettermark G	27181
	45127
Wetterau H	74286
Wettke K	81172
	91783
Wettlin D	13830
	56719
Wettstein D von	8799
Wettstein D von--Cont	16584
	42228
	87098
Wettstein S von	73527
Wettstein-Westersheim W	44856
	90252
Wetzel I	3852
Wetzel K	16645
Wetzel M	60592
	92862
Wetzel R	71861
Wetzler T F	57448
Weurman C	30956
Wever A de	90751
Wewers E	30496
	30497
Wexelsen H	25494
	87475
Wey I T	6100
Weybrew J A	42812
	43344
	48966
Weyer F	18080
	28934
	32567
	46418
Weyer F P	10097
Weyerhaeuser F K	27093
Weyerhaeuser Co Forestry Research Center	53133
Timberland Div	18917
Weyermann R	6848
Weyers W H	937
	50835
Weygandt R	38701
Weyh H	6830
	85129
	15179
Weyland H	3490
	19858
	8258
Weymouth T	22926
Weyna P	45138
Wezyk S	62576
Whaley J W	33025
Whaley R	79568
Whaley W G	786
	42269
Whalley P E S	5545
	5546
	5547
	5548
	5549
	29744
	55987
	64692
Whalley R D B	61478
Whalley W B	9255
	51579
Whangarei Co-operative Dairy Co	6282
Whanger P D	37207
	37214
Wharton A L	41599
	41743
	41753
	86755
	86961
Wharton D R A	64711
Wharton L H	34858
Wharton M L	64711
Wharton T P	6021
Whatley B T	93249
Whatley J A	4174
	37310
	37427
	91784
Whatley R	4162
Whatman C P	69626
	81149
Whatmore R	66719
Wheat J D	20094
	36916
	45697
	63173
Wheat Pool of Western Australia	31206
Wheatley A B	53489
Wheatley G A	81639
Wheatley G W	34570
	83081
Wheatley J M	85100
Wheatley P E	4665
	29110
	81730
Wheaton E	13823
Whedbee W L	57606
	85114
Wheeler A F J	43840
Wheeler A S	13044
	64693
Wheeler A W	42910
Wheeler D A	42445
Wheeler D L	94569
Wheeler E J	1901
Wheeler G E	59663
	68407
Wheeler G F C	81629
Wheeler H O	3371
Wheeler J L	43306
Wheeler L A	32417
	58305
Wheeler M R	5172
Wheeler P R	18732
	53177
	79121
Wheeler R F	4209
Wheeler R G	7645
	49220
	40695
Wheeler R O	23313
Wheeler W M	38420
Wheeler-Holdhan B J	55988
Wheen P T	94798
Whelden H C	48865
Whellan J A	85777
Whenham G R	27467
	37114
Wherry E T	185
	186
	24034
	67524
	76919
	86366
	89104
Whetham E H	22977
Whetstone R R	4436
Whetzal F W	3338
Whipkey R Z	2900
Whipp A A	37528
Whipple C E	93551
Whipple R T M	94608
Whipple S D	2693
Whisler H C	50250
Whisnant M	31729
Whistler R	74635
Whistler R L	30157
	66248
	84438
	84845
Whitaker D M	55066
Whitaker D R	55108
Whitaker F D	2500
Whitaker G A	47876
Whitaker G H	17778
	34571
	51023
Whitaker H E	27138
Whitaker J R	6891
	13112
	22115
	75398
Whitaker T W	34874
	50910
	52155
	89237
Whitby K T	22463
Whitcomb R F	16161
	20795
Whitcomb W D	46599
Whitcomb W H	4663
	55473
	82765
White A	84221
White A J	50605
White A W	35378
White B S	22978
	86263
White B T	13767
White C E	20576
White C L	86063
White D B	9791
	34226
White D E	35982
White D G	52984
White D P	53351
	71166
White D W	34859
White E B	5332
White E D	23227
	86033
White E J	48709
White E L	32232
White E M	710
	18233
White E P	54962
White F	36739
White F H	19569
White F J	6849
White F W G	14016
White F X	23641
White G	15291
	18773
	44745
	54458
	63669
White G A	1403
	69137
White G F	10622
	61587
White G M	13360
	74000
White H	67135
	92981
White H A	49284
	76215
White H B	51580
White H C	2467
White H D	7174
	13361
	14559
	22764
White H J	22274
White H P	83446
White H R	36450
	84221
White I G	20140
	27226
	37188
	71629
	71630
White J	28570
White J B	3635
White J C	6323
	11737
	27893
	48003
White J E	18918
White J G	34538
White J H	49285
White J I	16917
White J L	18039
	26091
White J N	38792
White J W	57213
	93770
White L B	64934
White L E	49511
White M	6451
	13876
	58721
White M E	32691
	54860
	76433
White M J D	38553
	56012
	94876
White M L	13431
White N	72009
White P E	91997
White P L	7931
White R A	40079
White R A J	89238
White R C	48449
White R E	46907
	64394
	73655
	82343
White R G	38676
	50979
	64970
White R H	73726
	82494
White T	3004
White T G	12302
	81336
White T K	94320
White T T	4448
	4449
White V E	34480
	44873
White W C	25368
	51696
White W J	84987
White Z W	52006
White-Stevens R H	30250
Whitear A L	94114
Whitehair C K	63679
	71862
Whitehair N V	22542
Whitehead	70754
Whitehead A G	24491

	Item
Whitehead B	13988
Whitehead E I	3214
Whitehead E L	25867
Whitehead F H	51413
	51414
Whitehead G B	20609
	81438
Whitehead G L	28157
Whitehead J E	36834
	72357
Whitehead S B	1669
Whitehead T	33845
Whitehead V B	29111
	81817
	81818
Whitehill A R	3972
Whitehouse A W	48107
Whitehouse G W	4293
Whitehouse H L K	8276
Whitehouse R N H	87467
Whiteker M D	38825
Whitelaw F G	27679
Whiteley D A A	38061
Whiteley K J	6599
	48278
	56922
	65664
	83995
Whitelock G M	20451
Whitely K T	1743
	43450
Whiteman J	32460
Whiteman J V	4076
	37174
	37310
	37427
Whitener O	19775
Whiteside A G O	876
Whiteside C H	11891
Whiteside E P	18234
	52396
Whiteside J O	16094
Whiteside R	78684
Whiteside W C	68408
Whiteus R G	3182
	71863
Whitfield F G S	55530
Whitfield R E	30889
	74971
Whitford E L	11786
	11787
	28062
	79949
Whitford L A	24064
Whithair C K	36213
Whitham D W	52292
Whiting A R	82654
Whiting F	27298
Whiting F L	9912
	69982
Whiting G C	13620
	13621
	13674
Whiting J	65504
Whiting P W	38421
	47126
	82655
Whitlock H V	54928
Whitlock S C	15521
Whitlock W M	76434
Whitlock W W	79000
Whitman G B	23161
Whitman W C	17217
	51808
Whitman W F	60681
	69731
Whitmore G E	12382
	37357
Whitmore J S	40627
Whitmore L M	75467
Whitnah C H	83809
Whitnall A B M	81819
Whitney D	2993
	90454
Whitney H S	31207
Whitney L F	28063
Whitney N J	16095
	50424
Whitney R D	20929
Whitney Mrs W B	17543
Whitney W K	20865
	37791
Whitsel R H	28935
Whittaker C W	43975
Whittaker E	33571
Whittaker E C	25622
	34660
Whittaker E I	27067
Whittaker F	75449
Whittaker J R	82108
Whittaker R H	34227
Whittall E	35587
Whittam D	29990
	29991
Whittelsey N	14976
Whittem J H	25924
Whittemore F W	28936
Whitten G R	28937
Whitten J L	23642
Whitten J M	64272
Whitten L K	19999
	92053
Whitten R R	8549
Whittet W A	21709
	45927
	45943
Whittick W G	28064
Whittig L D	2076
	70285
Whittingham C O	77813
Whittingham C P	8885
	9206
Whittingham W F	70330
Whittington W J	87476
Whittle C H	12143
Whittlesone W G	92744
Whittlestone	38657
Whittlestone W	38658
	38659
Whittlestone W G	13189
	56114
	56115
	74021
	80467
	91134
	91135
	91173
	92745
	92747
	93437
Whitton L	17338
Whittow G C	11601
	19848
	45698
Whitty E B	17274
Whitworth C H	6743
	48317
Whitworth J	6255
Whitworth J W	17821
	32664
Whyte A G D	18831
Whyte L	74636
	83709
Whyte R A	36019
Whyte R O	63
	1626
	51809
	66855
Wiackowska I	4710
Wiackowski S	4710
	12556
Wiackowski S K	15963
	64571
Wiant D D	6847
Wiant D E	6726
	56204
Wiatroszak J	71958
Wiatroszek I	62611
Wiazecka K	51415
	60251
	68832
Wibe O	59092
Wibeck E	61699
Wiberg A	1469
Wiberg H	42911
Wiberg Y	40411
	47834
Wibstad K	90073
Wicha R	15292
	32233
Wichansky E	41582
	67655
	67656
	67657
	67658
	67659
	67660
	67661
	86595
	86596
Wichers A J	76216
Wichita Bank for Cooperatives	7397
Wichmann F	17544
Wichmann H	38152
Wichser F W	22463
Wick A	65064
Wick E	15046
Wick H	10310
Wick W Q	8406
Wickens G M	67979
Wickens R	80116
Wicker E F	33337
Wickers A J	56929
Wickersham E W	79994
Wickersham T W	4167
	40628
	91751
Wickham G A	12112
	63475
Wickler W	38004
Wicklung R E	70431
Wickman B E	73402
Wickramasuriya C A	23237
Wicks G A	70017
Wicks G J	43569
Wickstead J	15847
Wickstrom G	34942
Widderich W	38638
Widdows F A	54952
Widdowson F V	18387
Widebrant E	9682
Wideman D	14360
	54489
Widen W P van	1903
Widenfalk R	92418
Widenhorn O	13566
Widenski K	91820
Widhe T	6850
Widmer M	44324
Widmer R E	17545
	17546
	40237
Widstrom V R	51416
Widt R A de	64897
Wiebe G A	9402
	69441
Wiebe H H	1102
	9100
	60138
Wiebe J	70004
Wiebecke C	26733
	35906
	53132
Wiebers J E	57761
Wiebes J T	21352
	55762
	64330
	64572
Wieboldt E F	60851
Wiebosch W A	51417
Wiechmann H	45122
Wieckowski M	94601
Wieckowski S	43045
Wied F	85679
Wiedemann E	2666
Wiedemann F	48108
Wiedermann G	79793
Wiedmer F	90014
Wiegand C L	17926
	51169
	52454
	89473
Wiegand D	62945
Wiegand H	38525
Wiegers H L	20306
Wiegert R G	4901
	33572
Wiegmann F	36530
Wiegmann F H	49285
	35605
	57987
	76072
Wiehle H	12795
	55711
	82204
Wiehler G	39930
Wiejak K	514
Wieland A	94702
Wielgolaski F E	43570
	60852
Wielicki E A	84038
Wiemann O J	56434
Wiemer R E	43841
Wieneke F	38706
Wieneke G	63129
Wiener G	91680
Wiener Tierarztliche Monatsschrift	8062
	41217
Wienhues F	25174
Wienke E	15580
Wiens D	50098
Wiens H J	68203
Wierbicki E	30108
	48608
	84528
Wiercinski J	83979
Wiercinski W	71002
Wierenga M E	86144
Wierenga M E--Cont	86145
Wiering D	34943
	34944
	34945
	50425
Wieringa G W	3075
	71705
Wierny A	72451
	91035
Wiersema G P	26380
	47366
Wiersema H T	43663
Wiersma D	35406
Wiersma J	91158
Wiersum L K	16774
Wierszyllowski J	9207
	9208
Wiertsema P	39777
	93595
	93609
Wierzbicki J	79950
Wierzbicki M	39732
	75150
Wierzchowska Z	16978
Wierzchowski P	16978
Wierzchowski Z	74935
Wiese A F	2012
	24744
	25955
	43708
	43767
	43990
	61007
Wiese H	6441
Wiesendanger H	19689
	21585
	27894
	72269
Wiesenhutter E	73036
Wieser W	55712
Wieslander A E	49980
Wiesman C K	47808
Wiesmann E	72104
Wiesmann R	4450
	47204
	92054
Wiesner	30601
Wiesner E	11702
	36354
Wiesner K	33423
	77193
Wiess M G	17011
Wiessell K	63096
Wiessner W	16875
Wiethaup H	38639
Wieting C M	32339
	58236
Wiewiorowski M	43046
Wiffen E E	17822
Wiger E	71393
Wiggans S C	52984
	89067
Wiggins A M	80240
Wiggins E L	12084
Wiggins G B	13099
Wiggins I L	41345
Wigglesworth V B	5266
	29277
	46774
	82109
Wight J R	34040
Wight P A L	37108
	37109
Wight R E	84988

	Item
Wight W	2003
	17862
	61035
	70160
	77749
Wightman A J	5550
	29668
	29669
Wightman C	6866
Wightman F	43047
	60365
Wightman G M	22900
Wightman M R	74448
	76621
Wignall W N	27895
Wihtol M	43571
Wiidakas W	33807
	33814
	60476
Wiidik R W	7175
Wijeratne W V S	91174
Wijers D J B	81516
Wijesekera R O B	16901
Wijewardene R	13161
Wijk A van	29955
	74167
Wijk P J	72751
Wijk W R van	52455
Wijkstrom T	93476
Wijnand H P	39279
Wijnands M	92982
Wijngaard J	85605
Wijnmaalen P A J	57897
Wikberg C E	7450
	30018
Wikerhauser T	3213
	27468
	27896
	28717
	45367
Wiklander L	10053
	10054
	18051
	51025
Wikle J S	1298
Wikleman T	65504
Wiklert P	52456
Wiklund K	1469
Wikramanayake T W	32484
Wiksten A	10700
	90105
Wikstrom J H	18919
Wilbanks J A	10503
Wilber G L	58104
Wilber R E	66720
Wilberg E	47673
	48326
	84195
Wilbert D E	17218
Wilbert J	78396
Wilbert T R	53660
Wilbrandt W	19605
Wilbur D A	46633
	92216
Wilbur R L	50099
Wilcke J	59664
Wilckens H A	26702
	35689
Wilcocks C	4589
	46419
	55366
	73182
	73183
Wilcocks C-- Cont	81605
Wilcox A N	42912
Wilcox C J	11206
	11460
	39294
	45460
	54459
	62720
	90883
Wilcox C L	11461
Wilcox D G	18560
Wilcox E B	48461
Wilcox E C	16775
Wilcox E R	44636
	44705
Wilcox F H	3837
	20141
	28182
	63349
	72463
	72464
	72711
	72752
	91379
Wilcox J A	82110
Wilcox F R	6680
	39633
	75129
Wilcox G E	33031
	34228
	35156
	35157
Wilcox H	59665
Wilcox H E	50829
Wilcox H J	515
	41925
	41926
Wilcox I C	65327
Wilcox J	5173
Wilcox J C	2064
	51418
	53015
	53016
	70840
Wilcox J R	42446
Wilcox K R	23525
Wilcox L V	35545
Wilcox M	17006
	17781
	60252
Wilcox M S	57022
Wilcox R	28232
Wilcox R A	11924
	20176
	20177
	20178
	45902
Wilcox R L	47872
Wilcox W	57896
Wilcox W W	62225
	85156
Wilcoxson R D	12451
	24199
	67950
	78464
Wild	8063
	32568
	76754
Wild A	3215
	4295
	8064
	19938
Wild A M	73589
Wildbolz T	12595
	12596
	37755
	46600
Wildbolz T-- Cont	55519
	58893
	64025
	67758
	73319
Wildbrett G	13878
	22116
	39405
	47949
	48109
	56806
	56807
	74753
Wilde A	53300
Wilde J de	29407
	38005
	55648
	91944
Wilde J K G	72252
Wilde J K H	11703
Wilde L O J de	15293
Wilde P	938
Wilde R de	94342
Wilde S A	18235
	89474
Wilde W H A	64529
	82571
Wilde W J J O	27
	41489
Wilde W O	2246
Wildenberg W M N van den	23037
Wilder C W	27897
Wilder E A	22689
Wilder H D	27139
Wilder J H W	56059
Wilder O H M	45929
	80737
Wilder R S	30256
Wilderness Conference	90290
Wilding L P	2234
Wildman A B	20335
Wildman S G	87017
	87036
Wildman W C	43048
Wildon C E	51419
Wildtraut M	53017
Wildy P	16130
Wilensky M	83345
Wiles A E	65327
Wiles M	21767
Wiley D C	41927
Wiley J S	2537
Wiley P R	2998
Wiley R	60853
Wilford H W	80725
Wilgus H S	30744
Wilhelm	90954
Wilhelm A F	41723
	77263
Wilhelm C	74637
Wilhelm F	89705
Wilhelm L A	48866
	66183
	94854
Wilhelm R C	21440
Wilhelm S	8423
	8550
Wilhelm W	92728
Wilhelmi T	9975
	10153
	42913
Wilhelminadorp Proefstation voor de Fruit-teelt in de Volle Grond	9635
Wilhite L P	53429
Wilinski M	86962
Wilk G	65424
Wilk K	2113
	70237
	70311
	70324
	78397
Wilkening E A	15294
	31962
	67026
Wilkening K	5174
Wilkens H	3423
Wilkens W	83280
Wilkens W F	75123
Wilker C A	10496
	10497
	10498
	35603
	44529
	53085
Wilkert P	88067
Wilkes A	67238
Wilkes L H	4606
	9445
	12468
	12523
	43198
	63966
Wilkes T M	34860
Wilkey R F	82572
Wilkie W J	4071
	14440
	81013
Wilkin G D	8630
Wilkin J T	85462
Wilking E	14109
	31066
	49109
	84392
Wilkins A H	90029
Wilkins D J	54977
Wilkins G L	7398
	44293
	74307
	76217
	84597
Wilkins H D	25372
Wilkins J H	20070
Wilkins P C	6059
	14938
	39079
	47809
	65247
	74545
Wilkinson A T S	92132
Wilkinson B	78751
	78752
Wilkinson B G	6735
	65802
	77750
Wilkinson E	76581
Wilkinson E H	60726
Wilkinson F	36457
Wilkinson G	3757
Wilkinson H R	94807
Wilkinson M	85806
Wilkinson P R	38062
Wilkinson R C	55763
Wilkinson S R	51420
	88068
Wilkinson W S	11873
	54736
Wilkon-Michalska J	32869
	87233
Wilkoszewska I	16979
Wilkowske R H	32212
Wilks J M	590
	591
Will F	65951
	75367
Will G M	10795
	26927
	26928
	78534
Will H	72766
Will H C	81832
Willaman J J	1404
	16975
Willand G	31623
Willard C J	89768
Willardson L S	26055
	26570
Willatt N	31067
	47317
Wille A	47103
	55915
Wille D	60854
Wille E	10311
	10312
	61008
	61452
	78235
Wille F	53534
	71406
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	Item
Williams C-- Cont	88513
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	Item
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Wilson T L--Cont	40080
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Winget C H	2657
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Winitz M	7936
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Winkelmann F	6256
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Winkelmann H G	27094
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Winkler S	21798
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Winkler W O	6647
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Winner C	21664
Winner E B	14939
Winnett A G	83959
Winnifrith Sir J	23229
Winnigstedt	57260
Winnigstedt R	11462
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Winnipeg Grain Exchange	48585
Winnipeg Horticultural Society	34588
Winqvist G	62725
Winqvist T	11128
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Winslow R D	24462
Winsor G W	10313
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Winter A G	33574
Winter A J	36356
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Winter-Henderson M de	32871
Winterfeld H	21587
Winterfeld H L	3851
Winterfeld R C	47484
Winterhalter M	3592
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Winterringer G S	29278
Winters L M	72927
Winters W S	45506
Winton M Y	12333
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	Item
Winton-Lewis B A P	59745
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Wintzer H J	80471
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Winzer K	13491
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Wirths W	22349
Wirtschaftliche Vereinigung Zucker	31596
Wischmeier W H	44491
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Wisconsin	70913
Dept of Agriculture	71864
Wisconsin Federal-State Crop Reporting Serv	14441
Wisconsin Retail Lumbermens Association	19226
Wisconsin University Governors' Dairy Marketing Committee	22057
Wise J	28571
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Wittstadt H	92627
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	Item
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Wolffgang H	42920
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Wolffhardt D	34417
Wolffhardt D--Cont	43308
Wolfgang R W	12015
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Wolford R W	57324
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Wolfova B	8736
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Wolfrum P	46910
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Women's Farm and Garden Association	76461
Womersley H	4967
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Wondrausch J	70313
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Wong C S	38251
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Wong K C	38277
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Woodham R C	50915
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Woodings H	74377
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Woodman J O	30216
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Woodyear-Smith H	1629
Wool Industries Research Association	75047
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Wooldridge W R	3217
Wooley P H	41724
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Woolridge T H	90297
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Wooten J F	20898

	Item
Wooten O B	5807
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Wootton J C	91559
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Worf G	87130
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Work R A	44458
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Worker N A	28234
World Coffee and Tea	93251
World Conference on Kenaf	22278
World Eucalyptus Conference	53303
World Health Organization	23767
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Div of Environmental Sanitation	20687
Expert Committee on Filariasis (Wucheria and Brugia Infections)	81608
Expert Committee on Biological Standardization	54037
Expert Committee on the Public Health Aspects of Housing	30069
World Orchid Conference	17548
World Ploughing Contest	18407
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World Poultry Science Asosociation	37143
World Small Animal Veterinary Association	71867
World Veterinary Association	54038
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Permanent Committee	79951
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Worsham A D	61010
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Woyciechowska S	54652
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Wragg S R	49012
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Dept of Agricultural Economics	4073
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	Item
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Yamazawa S	64843
	74053
	92776
Yamazi I	15848
Yamazoe F	86724
Yamkovaya A G	93642
Yan S	87872
Yanagawa R	71503
Yanagimachi R	36943
Yanagisawa T	35843
Yanagisawa Y	1109
Yanagishima N	77752
Yanagishima S	38252
	82445
Yanai H	53675
Yanase H	77724
Yanase M	62299
Yanase Y	364
Yanat'eva E	70842
Yanatori S	24939
	43458
Yanchilin L	27682
	62330
Yanchilin L V	27294
	90956
Yanenko I M	89109
Yang B Y	32900
Yang C H	34339
	81337
Yang C S	46809
Yang C T	7272
Yang H Y	56981
	56982
Yang J Ch	61737
Yang J M	49674
Yang J T	6534
Yang M G	80203
Yang P C	773
Yang S C	1182
Yang S M	435
	24289
Yang S S	9320
	43051
Yang T C	7261
	40169
	68524
Yang T H	37342
Yang T M	6685
Yang T T	1303
	1304
	1305
Yang W C	66515
Yang W Y	65668
Yangulova I V	26093
Yanishevskii F V	34234
	43967
	61646
	78398
Yankov N	58522
	86332
Yankov S I	39657
	60367
	65352
	75089
	75243
	84223
Yankov S J	25263
Yankulov I	25176
Yanniello W	14806
Yano K	29748
	47205
	47206
	68411
Yanovich G I	37611
	92056
Yanushevich Z	69443
Yanushkevich S I	87477
Yanutsh D A	61786
Yanyushkin M	94258
Yao T S	3840
Yao Y T	69151
Yapi ve Kredi Bankasi	39697 48396 84529 93195 93527
Yarar M T	12782
Yardwood C E	68049
Yaremenko I K	34557
Yaremenko L M	67375 69273
Yaremenko N	56623
Yarilova E A	61311
Yarkov S P	26190
Yarkova A S	4233

	Item
Yarkova A S-- Cont	66771
Yarlett L L	1630
Yarmolenko S A	28629
Yarnikh W S	19608
Yarnykh V S	6061
	46054
	83029
Yaroshenko K I	59668
Yaroshenko N	91140
Yaroshenko P D	8705
Yaroshenko T V	67241
Yaroshevich I	69378
Yaroshevich I V	61216
Yaroslavtsev G D	42922
	59502
	61856
	87377
Yarov I I	12230
	12305
Yarovaya G A	61260
Yarovenko G I	35427
Yarovenko O A	94072
Yarovenko V V	78468
Yartsev V P	15050
Yarunichev K	10337
Yaruss F L	73689
Yarwood C E	546
	1306
	9212
	16783
	50253
	50522
	50523
Yasakov P	78922
Yashenkov I A	60393
Yashika K	13102
Yashiroda K	43579
	43580
	43581
Yashkul' V K	64323
Yashouv A	24069
Yashvili M N	24681
	59669
Yasin S A	45287
Yasinskii I I	68204
	78207
Yasuda I	42923
Yasuda K	51322
Yasuda S	12492
	22951
	91326
Yasuda T	92629
Yasuda Y	86727
Yasue T	42924
Yasui T	14426
Yasumatsu K	29626
Yasunaga K	92251
Yasunaga T	65954
Yasunobu Y	24677
	25602
Yasuo M	34223
Yasuo S	59116
Yasutomi R	26045
Yasynov R	70928
Yataikin L M	67376
Yates E	12106
Yates F	69316
Yates J D	37003
	54737
Yates J R	6789
Yates M W	21520
Yates R A	52339
Yates T W	57164
Yates V J	37026
	79775
Yates W	84343
Yates W E	15873
Yates W E-- Cont	22121
	47483
	47762
	83176
Yatoh K I	41490
	42136
	77336
	79077
Yatom S	92135
Yatsenko A A	8172
Yatsenko A E	62619
Yatsenko A I	9534
	34235
	51857
Yatsenko-Khmelevskii A A	45143
Yatsunskii V K	66371
Yatsuyanagi S	42172
Yatsyshyn A I	12277
Yavorskii L	72540
	80754
Yavorskii O	26579
Yawalkar K S	77714
Yawata S	45462
Yawata T	61112
	61589
Yawata Y	4857
Yawney H W	10797
Yazadzhi A	34452
Yazaki J	60053
Yazawa K	19352
Yazell D H	43845
Yazkulyev A	42457
Yazvitskii M N	10315
Yazykov P P	88462
Yde-Andersen A	10974
	67952
Yeager G W	43343
Yeager J H	5862
	14943
	26359
	49410
	57704
	76237
Yeager W R	62127
	71451
Yeates M N D B	20588
Yeates T E	7086
Yeatman C W	53384
Yeatman J N	30958
Yeck R G	54177
	30063
	64979
Yee C Y	29902
Yee P T	81782
Yegourasdov S	23230
Yeh B	42448
Yeh C E	45306
Yeh C P	9243
Yeh G S	14571
Yeh K L	51372
	52564
	60212
Yeh M H	39940
Yeh P H	14508
	48826
	84861
	84862
Yeh P Y	9283
	9320
	43051
Yeh S F	6100
Yekundi K G	57356
Yelaho L F	73404
Yelenosky G	26930
Yelverton P A	37909
Yemm E W	711
	1330
Yemm E W-- Cont	70111
Yen C M	66858
Yen D E	43665
Yen D F	47207
Yen T T	70315
Yen W C	45370
	46055
	46155
Yen W Y	16096
Yench J	14944
	22927
Yentsch C S	9228
	69274
Yeo D	13304
	83177
Yeo P F	1307
	12983
	38424
	41491
	67505
Yeoman A A	85606
Yeoman G H	37612
	45563
Yeomans A H	4454
Yerina O I	88081
Yermanos D M	24767
	69651
Yermolenko V M	64573
	64574
Yevstigneyev V B	16784
Yie S T	81443
Yieh T M	38265
Yin F K	27471
Ying Y	45371
Yingst J	27030
Yip G	74435
	74436
Yli-Vakkuri P	19022
	79122
Yllo L	9410
	25289
Yocum C	86388
Yoda K	50617
Yoda S	9213
	77753
Yoder H W	72706
Yoder R	74843
Yoder R A	2552
Yoeli M	63874
Yoerger R	64917
Yoerger R R	5819
Yogo S	37834
Yoho J G	2603
	10623
	26756
	53599
	61764
	61765
Yokogawa M	3711
Yokohata I	29012
Yokoi M	16643
Yokomizo H	69149
Yokomizo T	25677
Yokoo T	33456
	68086
Yokota M	42873
Yokota R I	83255
Yokota S	517
Yokota T	19353
	27189
	56362
Yokotsuka T	13675
	75569
Yokoyama C	35888
Yokoyama F	6648
Yokoyama I	29958
Yokoyama M	77801
Yokoyama T	73503
	77245
	77246
Yokoyama Y	31422
	65863
Yokum H C	16785
	16862
	52275
	52276
Yomo H	69152
Yone Y	85134
Yoneda S	44118
Yonekawa G	77754
Yonemoto T	33989
	34546
Yoneya A	26534
Yoneyama S	16172
Yoneyama M	5027
Yonezawa H	69493
Yonezawa Y	2939
Yong R	2065
Yook D B	8073
	85735
Yordanov M	89241
York C J	79940
	80477
	90750
	91141
York E T	1448
	14945
	40534
	41152
	49546
	66972
York G T	46516
York J O	25388
	34453
	34454
	34455
	55473
Yorke D B M	79230
Yorkshire Agricultural Society	85922
Yorston F H	11052
	45080
Yoshida D	51431
	60258
Yoshida E	36130
Yoshida I	37089
Yoshida K	57989
	76638
Yoshida M	28132
	61185
	72584
	81733
	91337
Yoshida N	2830
	2893
	28483
	72848
	79029
Yoshida S	22280
	42273
	42685
	51432
Yoshida T	25177
	26379
	30016
	32933
	33552
	42173
	60146
	60222
	60259
	86914
	91142
Yoshida Y	59747
	68412
Yoshie S	16786
Yoshihara F	21000
Yoshihara I	85094
Yoshihara O	75102
Yoshii H	4670
Yoshikawa H	82435
Yoshikawa K	55888
	55904
Yoshikawa M	43028
	83812
Yoshikawa S	83376
	83377
	83475
Yoshimoto C M	37964
	38006
	38391
	64543
Yoshimura F	16787
	69153
Yoshimura H	3711
Yoshimura I	714
	15871
	77025
Yoshimura M	44996
	90364
Yoshimura T	38685
Yoshino M	51231
Yoshino M T	32694
Yoshino U	13768
Yoshioka I	4557
Yoshioka K	716
	77351
Yoshioka S	8960
	59871
Yoshioka T	86097
Yoshioka Y	93306
Yoshitake N	12714
	12715
	64207
	64208
Yoshitake Y	30836
Yoshizaki T	68029
Yoshizawa K	75611
Yosii R	56047
Yost D A	52680
Yost H T	1214
You C H	37683
Youard G B	2866
	47332
Youatt G	20931
	48282
Youatt W G	3594
Youden G H	64696
	64697
Youden W J	47675
Youmans B C	36836
Youmans E G	15347
	22979
	76437
Youmans J B	7931
	86063
Younes S	23231
Young A	11546
Young A W	34373
Young C E	27080
Young D	17222
	27081
	43582
Young D A	39718
Young D B	57237
Young D J	21827
Young D P	41492
	41493
	67526
Young D R	58342
Young E G	22940
Young F W	49576
Young G	67020

Young G A 4296, 73039, 80421, 90623
Young G E 61629
Young G J 61012, 69536
Young H E 23426, 26983, 29953, 53644, 78236, 79409
Young H N 7567, 9859, 17338, 60700, 60925
Young J 27652, 28537
Young J A 85607
Young J H 55370
Young J L 52579
Young J W 36682, 36683
Young K K 70229
Young L B 34236, 43394
Young L E 63075
Young L G 80204
Young L O 19729
Young L R 93477
Young L W 32615
Young M 71868
Young N 6062
Young N D 18922
Young O C 94115
Young P 5779
Young P A 16788, 41929
Young P L 20688
Young P T 60296
Young R 9214
Young R B 28443, 54986
Young R C 49576
Young R D 26646, 35607
Young R E 51455, 65832
Young R G 5553, 64202
Young R G E 80341
Young R H 9215, 34237
Young R J 3886, 11925, 20180, 20276, 28352, 45947, 72585
Young S 27901, 37280
Young S K 14474, 66119
Young S S 48178
Young S S Y 4074, 12086, 53759
Young T W 34238, 60260
Young V D 47484
Young V L 37691
Young W 3025, 6195, 92136
Young W R 92137, 92216, 93759
Young W S 7238
Young López N 7954
Youngblood O 31462
Younge O R 18388
Younger J 19161
Younger R L 55371
Younger R M 89782
Younger R R 52204
Youngman W H 7926, 25546
Youngner V B 1308, 1831, 1972, 67331, 69900, 78237
Youngquist W G 90493
Youngs C G 77795
Youngs E G 52457
Youngson C R 26612, 61641
Younis A E 42925, 44051
Younkin D E 72931, 72974
Yount P 15297
Yount V 9259
Yount W L 94004
Younts S E 52781, 89708
Youssef Y A 8553
Yousufi A M K 46455, 55406
Youtsey C O 59124
Youtz H G 27502
Ystgaard O M 6396
Ytterborn G R 85923, 94023
Ytterborn K H 73717
Yu C J 23906
Yu C K 16496
Yu R C 83369
Yu T C 40234
Yu T P 37505
Yu W W 5783, 74335
Yu Y 88082
Yuan T L 18052
Yuasa A 941
Yuasa K 31589
Yubuki M 21977
Yucel A 37281, 63815
Yudanov I M 69627, 89242
Yudelovich I S 37613
Yudin A 13202
Yudin E A 7090
Yudin L G 28940
Yudina O D 68828
Yudintseva E V 1072, 16619, 42617, 87413
Yudkin J 76614
Yuen Q H 70112
Yuen S H 6636
Yugai A 75961
Yugi H 71778, 71869, 72156, 90763, 91696
Yugoslavia Institut za Spoljnu Trgovinu 39112
Yugoslavia Savezni Zavod za Statistiku 7927, 13610, 15411, 15412, 41066, 49046, 91396, 94800
Yui Ya P 59670
Yuill S A 32429
Yuize Y 84647, 85256
Yukawa Y 33364, 41930
Yukhimchuk F F 44294, 60261
Yuki H 27810
Yuksip A Ya 15821
Yuldashev A 10016, 44459
Yuldashev A G 10338
Yuldashev M 85181
Yulushev I G 15611
Yumagulov G L 43174, 60479, 69444
Yun G H 77755
Yuncker T G 8260, 67527
Yundunov N 91752
Yung A 85608
Yung P F 15611
Yung Y C 85243
Yunin A N 20349, 20424
Yunker C E 4970, 21082, 29327
Yunoshev V K 85117
Yunovidov A P 68413, 90267
Yurchenko B A 90267
Yurchenko E I 6631
Yurchenko F M 83256
Yurchenko G T 56300
Yurchikov A V 79418
Yurchishin V V 9637
Yur'ev V 40414
Yur'ev V Ya 60480
Yur'ev Yu I 79463
Yur'eva N A 34239
Yurevich I A 63896
Yurgens B 34946
Yurkevich I 69154
Yurkevich I D 49818, 58724, 68204, 69155, 71128, 71294, 78207, 86520
Yurkin R 79458
Yurkina V I 64744
Yurovskii Ya I 66590
Yurtsev B A 187, 15822, 24030, 58609
Yurtsev B A--Cont 82626
Yurtsev V N 1055, 51433, 87641
Yuruki T 53433
Yushima T 82446
Yushkevich I A 44261
Yushonkova N P 24869
Yuson S M 75124
Yusubov A M 51434
Yusufov A G 25178, 34240, 43583
Yutuc L M 62497
Yuzepchuk S V 86412
Yver R E 14807
Yvore P 20663
Zaag D E van der 60262, 89205
Zaaijer J W 85781
Zaar E I 42703, 60263, 61968
Zaat J C A 39002
Zaazou H 29350, 29676
Zabashtanskii S A 10339
Zabaznyi P 48903
Zabaznyi P A 17094, 17095, 75714
Zabegailov A 10438
Zabek S 18121, 18122
Zabel R A 71452
Zabelin V D 70843
Zabelina Z V 65094
Zabello D A 43309
Zabello K L 68205
Zabielski S 71167
Zabka G G 33754, 42926, 42927, 51435
Zabko-Potopowicz A 76755
Zablotskii M A 27588
Zabluda G V 88083
Zabolicki K 19942, 62947
Zaborovskii E P 16789, 19023, 19024, 26931, 44860, 61969
Zaborsky J 25871
Zabotina A P 93478
Zabrodskii A 70005
Zacchi B 27805, 54273
Zacco C H 71075, 90107
Zaccone C 91143
Zach C 67761
Zachar J 76784
Zacharias H 40644, 66734
Zacharias R 74547
Zacharius R M 34340
Zacharuk R Y 82348, 82349
Zachej S 26932
Zachos D G 33144, 33343
Zadoks J C 16097
Zadontsev A I 51706
Zadorozhnyi A M 1534
Zadrazil R 36418
Zaehringer M V 48857
Zaets V K 51908
Zaeva I P 21441
Zafar A H 16512
Zaffran J 86361, 86496
Zafir M 56377, 65110
Zafren S 71707
Zafren S Ya 11210, 11539, 14315, 27299, 31209, 53809, 55142, 79733
Zagaevskii I S 28353, 72707
Zagaikevich N K 90254
Zagaja S W 42928, 60264
Zagallo A C 35219
Zagg D E van der 88084
Zaginailo N 70006, 75244
Zaglitz O 57899
Zaglodina F I 6808
Zago H 81609
Zagorodnaya N G 86966
Zagorskaya N Z 73679
Zagorskii I M 19025
Zagorul'ko A Ya 31568, 31569, 31598
Zagovora A V 92138
Zagrebel'nyi P 37294
Zagrekova V N 77421
Zagrodzki S 31599, 39080, 40203, 75776, 85083
Zagruznyi P L 34241
Zagulyaev A K 13046, 64698, 82808
Zahaczewski J 55143, 79952
Zahara M 371
Zaharchuk A 52168
Zaharescu M 71682, 72543
Zaharia M 80732
Zaharija I 11373
Zaheer S H 2528, 6694, 30965
Zaheer S R 7104
Zaher A 46056
Zaher M A 82115
Zahid N-ud-D 48827
Zahl P A 73656
Zahn E A 62115
Zahn G 60265

	Item
Zahn H	3950(
	84135
Zahn J J	79516
Zahn W	63551
Zahnd J	92287
Zahnd J P	12017
Zahner R	44783
	61857
	62154
Zahradnik J	38359
	63710
Zahradnik J W	83543
	83544
Zaichenko G V	11706
Zaichenko V G	27300
Zaichik M I	35939
Zaidel'man F R	26191
Zaidenov A M	12436
Zaidlicz E	44707
Zaikin D F	72889
Zaikonnikova T I	58725
Zaikova V A	59344
Zaikovskaya N E	88085
Zaionts L M	66735
Zair J H	2355
Zaitsev B D	78399
Zaitsev G N	88086
Zaitsev K	11211
Zaitsev N M	70230
	70231
Zaitsev N S	75433
Zaitsev V	71333
Zaitsev V B	10439
Zaitsev V F	73718
Zaitsev V I	14589
Zaitsev V S	60495
Zaitseva A A	64825
Zaitseva A N	81103
Zaitseva E	17636
Zaitseva E N	17551
	25793
Zaitseva G N	18123
	78428
Zaitseva I F	92528
Zaitseva M G	69156
Zajac J	70313
Zajac R D	28127
Zajcew M	75612
Zajciw D	5052
	21159
	21160
	55764
	64397
	82350
	82351
	92419
Zajer J	11707
	19812
Zajic J E	9216
Zajonc I	64466
Zajonz A	88299
Zak B	8554
	50430
Zak J	52316
	52317
	60996
Zak O	81338
Zak Z	84898
Zak-Ogaza B	5334
Zaka-ur-Rab M	5176
	13047
	46973
Zakariadze A G	88463
Zakariasen B M	30618
Zakharchenko I G	89783
Zakharchenko I M	46217
Zakharchenko S A	25389
Zakharchuk P V	78400
Zakhar'ev N	4097
Zakhar'ev N I	71708
	71709
Zakhariev Z	90913
Zakharina O S	13614
Zakharov G A	88971
Zakharov N A	8408
Zakharov N G	52373
Zakharov S S	26360
Zakharov T Z	44919
Zakharova E I	13213
	50254
	52004
	52005
	52006
	56926
	60714
Zakharova F V	37419
	45544
Zakharova G M	42359
Zakharova N A	34864
	60266
Zakharyan G P	80205
Zakharyan S V	78446
Zakhar'yants I L	16839
	60267
Zakhidov T Z	76756
Zakhov T	88855
Zaki A I	20798
Zaki H A	14019
Zakirov K Z	79096
Zakirov T S	1535
Zakladnoi V	85321
	94259
Zakladnoi V S	23116
Zakomyrdin A A	19609
	19610
Zakopal V	26837
Zakordonets A I	68568
Zakosarenko M I	77897
Zakosek H	35115
Zakrzewska I	47775
Zakrzewski A	89614
Zakrzewski J	73040
Zakrzewski Z	21839
	92987
Zakula S	81029
	81091
	81130
Zakurdaev P D	57402
Zakusilo P	15018
Zaky A I	29053
Zaky H	26580
Zaleski A	9217
Zaleski K	8616
	33344
	42052
Zaleski S	30537
Zalesov Yu P	7057
Zalevskii A	13327
Zalewski S	93883
	93884
	44295
Zal'kaln A A	34947
Zallee V	35940
Zalokar M	847
Zal'tsman L M	11738
Zalyalov F K	1631
Zamajska B	63593
Zamakhaeva E I	54910
Zaman H A	41931
Zaman M B	14658
	53666
Zamani R	974
	8890
Zamaraev V N	92529
Zambelli N	92139
Zamboanga P M	36803
Zambon C	23643
	31906
Zambonelli C	82007
	82008
Zamfirescu-Precupetu A	46733
Zamfirov Ts	91994
	92476
Zamin'yan S S	59671
Zamith A P L	16177
Zamkovoi G T	59672
Zamora C	18156
	62712
Zamorani A	51036
	83867
Zamorskii S G	32654
Zampetti E	23117
	40355
	75904
	85322
Zamucco G	79123
Zamyatina V B	17988
Zana J	17265
	60612
	75777
	94082
Zana-Kron S von	11463
	11464
Zanardi D	16098
	29054
	33261
	33345
	33346
	76712
	77196
	86967
	91995
Zand G	77645
Zanden G van der	55916
Zander D V	3974
	20225
Zander G	65248
Zander L	11874
Zander R I	35632
	90016
Zandersons J	27152
Zane A	22344
Zanevych V Ye	970
Zangheri S	21442
Zangiev M G	44746
Zangwill O L	79990
Zanina Z L	73727
Zanini E	10340
	18389
	26361
	78175
	89784
Zank L C	2987
Zanker K	5681
	26581
Zankov Z D	87992
Zanna L	92953
Zannelli C	4025
	75371
	75412
	77835
Zanon V	14946
	40887
Zanotti V	2004
Zanotto M	59345
Zanowa M	86521
Zanten E van	64808
Zanzibar Customs Dept	86035
Zanzibar Dept of Agriculture	67175
Zaorska H	40203
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Zapara E M	94060
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Zapatel J	71870
Zapenina N V	6808
Zapevalov P F	27031
Zapf R	7177
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Zapivakhin A I	94461
Zapletal F	73131
Zapletal R	77981
Zapletin V	15051
Zappa R	27683
Zappala A	9665
Zapparoli R	75962
Zappe A	3758
Zappe E	71310
Zappi-Recordati A	4841
Zaprometov M M	23706
Zaprometov M N	88253
Zapruder E G	59018
Zarcada D	91644
Zareba R	62064
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Zareba Z	75778
Zarebski W	19304
Zaremba J	27095
Zaremba V P	61251
Zaremba W	92729
Zaretskii M S	90433
Zargari A	16207
Zargaryan M	80147
Zarger T G	61970
Zarins R K	63343
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Zarka M	6238
Zarkevich A V	62619
Zarkovich S S	76815
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Zarovnyi V S	20425
Zarowski W	90764
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Zarubin M Ya	62220
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Zarubina M	26004
Zarva V N	44359
Zarzuelo Pastor E	54831
Zarzycka H	86888
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Zaslavskii V A	12857
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Zauer L M	235
Zaugg W S	34249
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Zaunitzer H E	39326
Zaunmuller G	30019
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Zavalishin F S	13262
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Zavertyaev B	11465
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Zavgorodnyy V P	31695
Zavitz E J	2761
Zavodnov S	70844
Zavodnov S S	44460
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Zawadska W	29716
Zawadzka B	41975
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Zawadzki S	70397
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Zawistowski S	20625
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Zaworka G	20932
Zayanchkovskii I F	62275
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el Zayat S	3841
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Zbrozek B	73046
Zdanovski N	93439
Zd'arsky F	94474
Zdarsky J	88087
Zdrazil K	26422
Zdruikovskaya-Rikhter A I	60270
Zdybek J	93553

	Item
Zdzislaw P	6649
Zebracki A	36917
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Zebrowska D	28065
Zebrowski Z	73041
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Zecevic L	33816
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Zech H	8617
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Zechner F W	94343
Zeddelmann W von	76221
Zedler R J	50431
Zedler W	3712
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Zednik M	72594
Zeeuw A de	49349
Zeeuw D de	48485
Zeeuw J W de	26582
Zeevaart J A D	16524
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Zehner M D	21807
Zehngraff P	10581
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Zehnpfennig R G	34297
Zehr D	58350
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Zeid M I	28964
Zeiders K E	1572
Zeidler R	39495
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Zeilinger A	30498
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Zeiss F	56624
Zeissig A	71872
Zeitoun M A	75613
Zelawski W	33837
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Zelenenko G	91561
Zelenin N N	79018
Zelenka J	28229
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Zelenka P	3764
Zelenskii A A	73958
Zeleny J	5658
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Zeleny V	19071
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Zelfel S	28431
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Zelikman I F	22901
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Zelikov V D	35124
Zelinger A	83813
Zelinschi N	52698
Zelins'ka L M	64117
Zelinskii A A	85671
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Zelitch I--Cont	88088
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Zelm R P	83820
Zel'man D P	35755
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Zelter S Z	62331
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Zeltner J	19026
Zeltner L	77460
Zel'tser G A	62709
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Zeman J	23316
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Zeman W	63032
Zemanek J	41932
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Zembalski A	31907
Zemite A P d'	10316
Zemjanis R	11708
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Zemkova R I	92315
Zemljic M	78971
Zemlyanitskaya E T	61261
Zemp H	37836
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Zemskaya A A	81611
Zemskaya V A	43138
Zemskii V G	88089
Zemtsov A A	94583
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Zende G K	35129
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Zenginov Kh	90673
Zenin S S	75963
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Zenischeva L S	59673
Zenke U	54463
Zenker R	62253
Zenkevich V I	46464
Zenkteler M	8802
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Zentai J	66057
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Zentmyer G A	372
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Zentrale Markt-Preisberichtstelle der Deutschen Landwirtschaft	30217
Zentralverband der Land- und Forstwirtschaftlichen Arbeitgeber in Niederosterreich Burgenland und Wien	66490 66491
Zentralverband des Deutschen Gemuse- Obst- und Gartenbaues	14053
Zentsch W	10798
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Zerby L K	57683
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Zernicek D	62388
Zernov V I	61796
Zeronian S H	48233
Zerov K K	86155
Zerr J D	15116
Zervas N P	91380
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Zesiger F	76985
Zeskov B	3597
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Zetterberg H	13264
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Zeuner F E	82917
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Zhakov M S	91738
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Zhanet V A	18874
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Zharikov Ya P	34475
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Zharkov F A	66492
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Zharova K A	44461
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Zhdanko V A	19051
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Zheleznov G F	35633
Zheleznyak E A	60273
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Zheligovskii V A	92777
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Zheludkov A G	35899
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Zhelyakov D	34310
Zhelyazkov D	25233
Zherebtsov P I	19944
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Zhereshtiev Zh T	18299
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Zhigaev G N	4711
Zhigailov V V	70113
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Zhilkin B D	44784
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Zholkevich V N	25180
Zholkevich V N--Cont	88091
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Zholudeva V P	68499
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Zhovnitskii I P	66493
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Zhulenko V N	37376
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Zhuravlev I	56727
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Zhuravlev Ya G	94921
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Zhuravleva Z D	66252
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Zhurbitskii Z I	34243
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Zhurikhin V K	42714
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Zhurikov V N	14952
Zhurov M	83178
Zhuze A P	66

	Item
Zhuzhikov D P	46312
el-Ziady S	82447
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Ziarkiewicz T	12527
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Ziche J	69628
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Zieglgruber	29983
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Ziemnicki S	17927
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Zieriacks H	88093
Zierold Reyes L	26584
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Ziezing H	61701
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Ziganshin A A	69317
Zihlmann F	29873
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Zihlmann F--Cont	64869
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Zijp M J	25497
Zijp W A	49834
Zijlstra K C	61591
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Zilai J	25181
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Zil'berman S	90768
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Ziller R	61456
Ziller W G	19040
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Zillinsky F J	1522
Zillmann G	26757
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Zimanyi V	66035
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Zimenko T G	70362
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Zimin L S	58907
Zimina L V	82627
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Zimmering S	5178
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Zimmerman D C	7117
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Zimovets V	66705
Zimovets V N	40615
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Zingstra H	89244
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Zinin T G	21567
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Zinke P	2679
Zinke P J	33576
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Zinkweg B	47432
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Zinnatulin S	27684
Zinnbauer H	36744
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Zinov'ev G A	64699
Zinov'ev L S	34244
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Zogg H	8556
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Zombory W	43562
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Zontine W J	28066
Zoological Society of London	90695
Zoranyan V A	80004
Zorboski M	10680
Zore S V	69206

	Item
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Zorin F M	88883
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Zotsenko L N	67762
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Zottl H	71168
Zoubovsky P	6855
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Zozulin G M	32695
Zozulya B	43310
Zozulya M	74379
Zozulya M Sh	10441
Zozulya V	43310
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Zschau K	33424
Zscheile F P	13377
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Zschommler H G	27949
Zsembery S	73263
Zsigmond B	65249
Zsigmond S	44950
Zsitvai Mrs A	67763
Zsoldos F	86969
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Zubchenkov V I	37358
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	43115
	43148
	51690
Zubets A M	79958
Zubina M	94194
Zubkov A P	19853
Zubkova R D	6167
Zubkova S V	69160
Zubov M F	41782
	86970
Zubov S A	53307
	90146
Zubovic J	10624
Zubrev A	69445
Zubrev A I	17096
Zubrilin A A	53811
Zubrilina Z A	36163
Zubtsova R A	28268
Zuccardi R	60276
Zucchi G	82989
	83007
	83008
Zucchini M	31696
	35608
	56959
Zuccoli C	40535
Zuchner	66817
Zucker F	65955
	75369
	75370
Zucker H	11161
	19427
	28643
	79656
Zucker M	69161
Zuckerman B M	33350
	50566
Zuckerman J	40415
Zuev A G	3314
Zuev D P	9861
Zuev L A	59677
	69162
Zuev P	8571
	24382
	25185
Zuev P I	16791
	88973
Zuev V A	29874
Zueva I N	61209
Zufa L	44747
	44861
	79362
Zufarov D Z	57396
Zuffa A	62466
	79959
	81339
	91833
Zugenbuehler C A	22575
Zugravel M	92562
Zuhlke	93802
Zuhlsdorf M	74716
Zuijdam D M	54832
Zuikova E P	14640
Zuk A	74935
Zuk P	46666
	46667
	81837
Zukal E	48620
	66008
	75411
	93799
Zukovic M	28717
	28856
Zukowski W	81
	58727
Zulinski T	54865
	62950
Zullig E	43375
Zulueta J de	73139
	81471
	81612
Zulueta y Artaloytia J de	25498
	68207
	69630
Zumbroich K H	85905
Zumer L	10897
	61702
	71350
	71504
	79428
Zumpt F	20689
	28943
	29485
	46421
Zumwalt C	48157
	54245
Zumwalt E V	44633
	79097
Zumwalt R D	14317
Zundel G	54040
	67176
	82015
	87100
Zuniga M J	34621
Zunino H	77106
Zunino H A	20855
Zunnunov A A	43209
Zupancic T	9342
Zupka Z	28565
	91083
el-Zur A	33577
Zurawski H	70914
Zurcher K	84538
	84539
Zurcher U	71031
Zureck F	30251
	54041
Zurek W	56925
Zurgilgen H	19945
Zurich Bauern-sekretariat	32254
Zuriel D	10799
Zurkowski M	91035
Zurn F	44297
	88711
Zurnadzhi A V	10250
	25029
	69494
Zuroske C H	31783
	73969
Zurovec R	84913
Zuschek F	28718
Zuska J	92478
Zusman P	88654
	94157
Zusman V	56810
Zusmanovich T G	69446
	69447
Zutaut C L	63599
Zuthof J B I	6237
Zutic R F	36531
Zutphen H J van	21948
Zuur A J	61299
Zuur P J	3599
Zuzlov V M	55597
Zvara J	33578
	71471
	89405
Zvereva G I	76644
Zviedris A	61684
Zviedris A I	26799
Zvolanek W	34865
Zvonkov V V	35487
Zvonkova T V	94596
Zvoskova N S	43311
Zvyagina E A	88095
Zvyagintsev D G	52630
	61254
Zvyagintsev I V	81702
Zvyagintseva E I	88293
Zwaan R	58441
Zwanenburg T S	19946
Zwanikken W A C	66974
Zwart D	3315
Zwart T	3294
Zwartz J A	48341
Zweep W van der	17805
	25958
	42930
Zweifel J	67811
Zweifel J-- Cont	67812
	69448
	69449
Zweifler E	43173
Zweig G	952
	30605
	42931
	65723
	82468
Zwerman P J	44268
Zwicky P	84404
	93680
Zwiep N	54723
Zwierlein K	84136
Zwierlein K J	6603
Zwierz J	53862
Zwierzchowski J	53862
Zwieten M van	45705
Zwijns M J Z	61431
Zwillenberg H H	54574
Zwillenberg L O	54574
	63087
Zwingelberg	75333
Zwingelberg H	6815
	6856
	22510
	31163
	31187
	65910
	75334
	75349
Zwintzscher M	42450
	43428
	43429
	77461
Zwolfer H	46668
Zwolfer W	12669
	73405
Zwolinski J	72430
Zyb A A	23527
Zych C C	25659
	52008
Zycha H	8557
	62104
	67953
	86726
Zykov D	1632
Zykov K D	73154
Zykov Yu	88713
Zykov Yu D	69163
	69450
	88712
Zykova T O	88096
Zyrin L A	37167
Zyrin N G	10056
	43993
	70316
	78401
	78402
Zyubin B	58914

Item

A6 test 87035*
Aarey Milk Colony 74658 74665
Abacaria 64731
Abacetus 82247
Abacus 76181*
Abadie J 36909*
Abaristophora 82360
Abattoirs SEE Slaughterhouses
Abax ovalis 55759*
Abdiunguis n g 82271
Abdomen
cattle 19792*
dogs 80537 36804*
insects 5467 29775
55869 73897 82546
92308 12836* 38497*
64469* 92294* 92668*
Abdominal hernia 80471 91890*
Abelin R 58397
Abelmoschus SEE Hibiscus
Aberystwyth University College of Wales
Welsh Plant Breeding Station 42337 77416
Abies
anatomy and physiology 81980*
bark 19293*
breeding 10773*
clear cutting 35747*
coppice 35747* 35923*
crowns 2633*
culture 90125*
cytology 10756
ecology 647* 8678* 90125*
fertilizers 79254*
fungus diseases 16024*
genetics 10756
germination 2722* 35798*
growth 2722* 10672*
44676* 73386* 79254*
harvesting 35923*
hybrids 10773*
introduction 71109*
Maine 33482
measurement 2633*
18824* 26770* 44673*
44676* 44680* 44682*
61789*
pest control 81871
12644* 29144*
pests 29545
29260* 82308* 92505*
Japan 73386* 82308*
Rumania 5520* 46654*
Western States 20920
Yugoslavia 92238*
planting 10703* 10770*
Poland 71002*
pollen 10757
pulpwood 53644 36026*
seeds 35798*
sites 10672*
soils 2724*
thinning 2673 90151*
underplanting 44788*
USSR 18721*
wood 16530 27201* 53726*
71600* 90151*
Yugoslavia 44586* 70159*
71600*
Abies alba
culture 79230 53268*
Czechoslovakia 143*
ecology 68164 24512*
53293*
germination 26888*
growth 44704*
measurement 44704*
pest resistance 55575*
Poland 68141*
seedlings 26888*
seeds 79293*
shading 53268*
soils 53293*

Item

Abies alba--Cont
varieties 44855*
Abies alba seed oil 84848*
Abies amabilis
bark 36127 36129
California 8214
pests 37820 55589
wood 27142
Abies balsamea
anatomy and physiology 16554 42530 79599
fungus diseases 41863
growth 2642
measurement 79180
mortality 37820
partial cutting 2652
pest control 12622
pests 4746 79180 92228
pulpwood 2920 36074 79547
seedlings 2694
thinning 10683
wood 11095
Abies cephalonica 59294*
Abies concolor 53637 90194
Abies firma 92517*
Abies fraseri 46988 86517
Abies grandis 2712 71577 8200*
Abies lasiocarpa arizonica 36104
Abies magnifica 90194
Abies magnifica shastensis 19280
Abies mayriana 46643*
Abies nordmanniana 33308 35658*
Abies pectinata SEE Abies alba
Abies pindrow 90067
Abies pinsapo 59299*
Abies procera 71093 10781*
Abies sachalinensis 35709* 35711* 35831*
Abies sibirica 62235* 71548* 71612*
Ablabesmyia 12874
Ablechrus 5048 46909*
Abomasum
cattle 3461 3520
19886 36614 36682
45629 54386 62792
62939 91058 3585*
19810* 36573* 45620*
54309* 54336* 54352*
62803* 80256* 90959*
diseases 3526 3536
54433 72170 36676*
goats 4115
reviews 27359
sheep 54913 63464
4144* 54922* 54924*
Abortion 62487*
cattle 36634 72240
80442 3437* 19813*
causes 62920 91026
91057 36534* 72104*
72139* 80346*
diagnosis 91026
goats 20422
horses 3767* 91302*
minks 20053* 63111*
sheep 12138 12147
28521 37260 54795
63434 81025 81057
81118 91732 4101*
20400* 46131* 46132*
63463* 81099*
reviews 72888
swine 63624 20491* 81310*
causes 73031 20502*
46276* 72996*
diagnosis 91831
SEE ALSO Brucellosis; Vibriosis; Virus abortion
Abraxas miranda 37757*
Abricta offirmata 73735

Item

Abrus precatorius 42975
Abscesses 62744*
cattle 45600 54453* 62795*
dogs 36812*
horses 3777*
swine 4272
Abscisin 9049
Abscission 1082 9049
16648 33994 50912
51421 59920 60140
reviews 77572
Absidia 58784
Absidia coerulea 47249
Absidia glauca 33641
Abutilon 156
Abutilon theophrasti 16675
Abutilon wrightii 55958
Acacia
Australia 24603*
biochemistry 53671 42958*
Brazil 55581*
control 18863 18888
culture 44772*
extractives 79571
Italy 89062*
morphology 16344* 24603*
pests 20911
Republic of South Africa 18650 23425
sites 18863
soils 18863
wood 44772* 45081*
Acacia albida 8674*
Acacia aneura 5529 59327 60182 71312
Acacia arabica 53666
Acacia catechu 11055
Acacia dealbata SEE Acacia decurrens dealbata
Acacia decurrens dealbata 53398* 71681*
Acacia decurrens mollis
anatomy and physiology 2738*
feed 71681*
fertilizers 90150
germination 26878*
pests 55581*
Republic of South Africa 35583
Acacia farnesiana 21295
Acacia georginae 25924
Acacia harpophylla 78600
Acacia hockii 4494
Acacia mearnsii 36092 45092 50547
Acacia melanoxylon 41424*
Acacia mollissima SEE Acacia decurrens mollis
Acacia nilotica 44750
Acacia parasol 71681* 72542* 80153*
Acacia pendula 12653
Acacia raddiana 32787
Acacia senegal 45148
Acacia seyal 60940*
Acacia sieberiana 16933*
Acacia tortilis 32787
Acacic acid 42958*
Académie d'Agriculture de France
Commission d'Etude sur l'Emploi des Termes "Industrialisation de l'Agriculture" et "Agriculture Industrialisée" 94428*
Acaena microphylla inermis 41425*
Acallepitrix 82215*
Acalolepta 46817*
Acalopus n g 21110
Acalymma vittata 37689
Acalypha wilkesiana 87095
Acalypta pulchra 38341*

Item

Acalypterae 5167
Acanthaceae 9956
Africa 58679* 58680*
hybrids 141
morphology 59550 50795*
pollen 77396
Southwest Africa 32819*
Acanthagrion egleri 56039*
Acanthagyna 5635 21499 21500 29782
Acanthatrium oregonense 21481
Acanthocereus horridus 24865*
Acanthochalcis 47115*
Acanthochalcis (Belochalcis) n sgen 47115*
Acanthochalcis (Trypanochalcis) n sgen 47115*
Acanthocinini 82249
Acanthocinus aedilis 29378*
Acanthococcus munroi 92491
Acanthocryptus afflictor 38411*
Acanthogeron auripilus 64418*
Acanthogeron efflatounbeyi 64418*
Acantholimon 15768*
Acantholyda nemoralis 55569*
Acantholyda nemoralis serotina 12625*
Acanthophora 640
Acanthopsyche mixta 92576*
Acanthopsyche siederi 29730*
Acanthopsyche zelleri 29730*
Acanthoscelides obsoletus SEE Acanthoscelides obtectus
Acanthoscelides obtectus 21135* 21136* 38143* 55453* 92078*
Acanthosis 54530
Acanthosoma haemorrhoidale 64502
Acaprin SEE 1,3-Di-6-quinolylurea
Acarapis 12673 81979
Acarapis externus 20945
Acarapis woodi 4792 20945
Acaricides
adjuvants 63994
application 46341 63848*
chemistry 20631*
citrus pest control 12557 29064 63979 73288
corn pest control 12439
determination 74417 74420
effects on mite populations 46592*
effects on plant disease 58983*
effects on plants 4343
formulations 37440 55165* 55202*
fruit pest control 81782 81819 29081* 37746* 46534* 46561* 46597* 46602*
fungicide mixture 4715
insect control 63729*
Italy 55202* 81373* 81374*
mite resistance 4373 4434 20582 46341 46342 63978 46331* 55187* 63794* 73096*
ornamental plant pest control 4715 29113 81823 81829*
Pennsylvania 4412
physiological action 20630* 20631*
plant pest control 55212 20693*
Portugal 55172*
properties 20631*
residual effectiveness 73316 46561*
residues 74417 74420 81496

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Item

Acaricides--Cont
selective 20630* 63729*
synthetic 4320
systemic 81496
tea pest control 73304
tests 12611 20809 28855 37712 46435 63855 73304 81361
toxicity reviews 63714*
Acaridae 4949 12775 64275 64302
Acariformes SEE Acarina
Acarina
Africa 29280 29281 82153
Algeria 55651*
anatomy and physiology 21046 21056 21062 73555 92323 12791* 21060* 38026* 81544*
as pests 4574 12413 20670* 68070*
Asia 64274
Australia 4968 4969 46782
bibliographies 73577*
Bolivia 29297*
Bulgaria 46776*
China 29318*
collecting and preserving 21037
Congo 64286*
control 46534* 55165*
Czechoslovakia 38013*
ecology 38038* 64297*
Czechoslovakia 29292
Germany 82875*
Italy 4918*
Poland 38054*
Europe 82144*
evolution 21056
Florida 55696
genetics 92339*
geographic distribution 82134 81552
Germany 82875*
Great Britain 73555
habits and behavior 4929 73555 81544*
Hong Kong 92340
hosts 81574
Iceland 12775 55695
identification 4950
Italy 46737*
Japan 4952 21046
larvae 21069 92339*
Malaya 38025*
Mexico 82166
Netherlands New Guinea 64322
New Zealand 4967 92316
nomenclature 21044 21067 73547
North Africa 82144*
North America 12793
Norway 73543
Oriental Region 82153
Pakistan 12779
Philippines 64280 64281
phylogeny 82206
Republic of South Africa 12789
taxonomy 4922 4941 4955 12768 12776 12789 12793 21041 21073 21082 29283 29310 29327 46793 55696 73555 82124 82191 82192 92316 92325 92328 4917* 4933* 4934* 21050* 29325* 55669* 64287* 73556* 82129* 82175* 92338*
types 92325 21048*
Venezuela 82145*
Yugoslavia 73586 73587
SEE ALSO Hydrachnellae; Mites; Ticks

Item

Acarine disease 73452 37844* 37849* 37895*
Acarodynerus n g 82599*
Acaronia flaviciliaris 38494
Acarus siro 73579 4718* 55540* 55685* 81862* 91812*
Accademia Italiana di Scienze Forestali 44574*
Accelerotor 14010
Accident insurance 57722*
Austria 14736* 75901* 85251*
Germany 18698*
Italy 40388* 75904*
Netherlands 31739*
Norway 49050*
Sweden 44581*
Accident prevention 20589 21520 30753 30778 30842 47268 92680 5665* 5674* 7980*
Australia 73921 92678
Austria 70978*
Canada 38602
Czechoslovakia 73928*
Germany 47270* 64757*
East Germany 5668*
Great Britain 7430
Hungary 47273* 73920*
Idaho 82928
in forestry 19195 19128 27005 70970 70974 19125*
Austria 71378*
Canada 79087
Germany 53144* 53145* 53147* 53150* 53155* 53439*
Louisiana 19095
Netherlands 5661*
New Zealand 21517
Oklahoma 38598
Poland 92676*
Republic of South Africa 47269
Switzerland 73923* 73926*
Accidents 22179 64954 82924
France 38595*
Germany
East Germany 82919*
Great Britain 64952
in forestry 19102 18685* 18700* 45017* 53143* 70978* 70979*
Missouri 56051
Netherlands 5666* 5677* 5679*
Oregon 38600
statistics 5669 39474
Accounting 7649 15054 23318 23323 23533 32026 57995 57996 76226 85611 94469 49287* 76224*
Argentina 23317* 76223* 94462*
Austria 15056* 57992* 57994* 57997* 94468*
Brazil 85617*
Czechoslovakia 85613* 94474*
equipment SEE Data processing equipment
Germany 14726* 32027* 40463* 49295* 65192* 85573*
East Germany 57991* 66734*
Great Britain 76233
Hungary 15060*
Louisiana 85614 85615
New Zealand 32029
Northern Ireland 49291
Norway 40634*
Poland 94463* 94473*
Portugal 94471*
Scotland 85634
Spain 15059* 23324*

Item

Accounting--Cont
study and teaching 40637 40638 57990*
Sweden 49056* 94195*
Switzerland 23325* 66729* 94470*
Tasmania 85619
Tunisia 85618*
USSR 32030* 40635* 49293* 57996* 76232* 76234* 76236* 76812*
Wisconsin 15062
Wyoming 76231
SEE ALSO Budgets; SUBHEADS management, finance; records UNDER Farms and farming; and UNDER specific subjects
Accredited Farm Broker 76348
Acedromus n g 4941
Acemyia 73687*
Acenaphthene 50668
Acentrocneme hesperiaris SEE Aegiale hesperiaris
Acentropus niveus 92573*
Aceodrominae n sfam 4941
Aceosejidae 12764 55651*
Aceosejinae 38049
Acer 89053
anatomy and physiology 51248 87781*
diseases 16015 24149 67752
fungus diseases 8415 58948 77019
litter 79400*
measurement 26768*
New York 86461
pests 55735* 92611*
seeds 76964
soils 79400*
taxonomy 76964
varieties 1796 43528 89096
wood 27044
Acer campbelli 23937
Acer campestre 64644 73855
Acer macrophyllum 79248
Acer negundo 18933* 71251*
Acer platanoides 77669* 82545* 86463*
Acer pseudoplatanus 10599* 61736* 87562*
Acer rubrum 2674 50931 60266*
Acer rubrum columnare 52061
Acer saccharinum 2690 51448
Acer saccharum
anatomy and physiology 24957 42579
breeding 71203
diseases 41638
ecology 636 8665 33546
fertilizers 24957
pests 46664 73799
pollination 71203
propagation 2711
tapping 57509 66247
wood 19314 53704 79611
Acer tataricum 28865*
Aceratophallus 4936
Acerentomon gallicum 21516
Acerentulus 47244
Acerentulus breviunguis 21484*
Aceria 46793 92328 92318*
Aceria essigi 4690* 37729*
Aceria mangiferae 38045*
Aceria neocynodonis 12604 37623 81825
Aceria tulipae 12473
Acetabularia 51569
anatomy and physiology 9170 25173* 69041* 77503* 77504*

Item

Acetabularia--Cont
biochemistry 16926 88241
morphology 59376 33745* 87351*
Acetabularia mediterranea 24839* 25037* 60364*
Acetal 39127*
Acetaldehyde 42944 87735 16695* 30403*
2-Acetamido-5-nitrothiazole 80802*
5-Acetamido-1,3,4-thiadiazole-2-sulfonamide SEE Acetazolamide
Acetarsone 27728*
Acetates 56835 90413
effects on plants 34036 51029 77816 88127*
in animal physiology 71629
in cattle physiology 36715 62825 62926 80347 12209* 36687*
in plants 43026 51362 77804 69235*
in sheep physiology 12118
in swine physiology 12209*
Acetazolamide 19936 80464*
Acetic acid
bacteria 83657
reviews 47643
chemistry 16045
effects on insects 73881 24943* 32662*
fermentation 6141 22858 21949*
in butter 22026
in cattle nutrition 11525
in food processing 22605*
in insect physiology 64202
in plants 22526 51184 51552 68750*
in soils 51368
in textile industry 93487
sources 74612*
Acetoacetic acid 3808
Acetobacter 30419 83663* 83664*
Acetobacter suboxydans 83657
Acetone 40060 93487 14603* 47775* 69249* 84779* 84995* 91799* 91800*
Acetone-butyl alcoholic fermentation 94047*
Acetone powder 16979
Acetone semicarbazone 20199
Acetone test 57395*
Acetonemia SEE Ketosis
Acetovanillone 45130
dl-10-Acetoxy-cis-7-hexadecen-1-ol 82729
Aceturic acid 81425
Acetyl compounds 22896 36024
N-Acetyl dopamine 73676 92301
Acetyl-(para-nitrophenyl) sulfanilamide 74895
Acetylcholine
effects on animals 20010 36324 4025* 72834*
in insects 5559 20608 21320 82758
Acetylcholinesterase SEE Cholinesterase
N-Acetyldiaminobutyric acid 77798*
Acetylene 8394 34058* 51386*
Acetylene compounds 34287 24613* 59766* 88118*
Acetylglycine SEE Aceturic acid
N-Acetylindolins 28940
Acetylkinase 12366
Acetylpromazine 11826* 12238*
Acetylsalicylic acid 63285
Achaearanea veruculata 4939

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Item

Acherontia atropos 29729 55953 21439* 81729*
Acheta assimilis SEE Gryllus pennsylvanicus
Acheta commodus SEE Gryllus commodus
Acheta domesticus 4411 21454 29755 29761 38451 64702 73873 82831 82832 82851 5578* 13063* 13065* 55991* 73865* 73874*
Achillea 88119*
Achillea millefolium 25206 73684
Achimenes 34839
Achimenes misera 50056
Achimenes warszewicziana 50056
Achlya ambisexualis 87510
Achlya aplanes 747
Achlya bisexualis 87307*
Achlya flavicornis 64691
Achnanthes 227* 32927*
Achorotile 38291*
Achras zapota SEE Sapodilla
Achrioptera 29261*
Achroea SEE Achroia
Achroia grisella 82715*
Achromobacter 78437
Achromobacter eurydice 81919
Achrus 38289*
Achrysonini 82294
Achyranthes aspera 16372
Acidophilus milk 6348*
Acidosis 81063 3551* 91140*
Acids 48219 51524 6210* 47874* 78325* 89169*
SEE ALSO UNDER names of commodities
Aciesia n g 86551*
Acilius 21123
Acinos arvensis 23986
Acioa 67396*
Aciptilia (Calyciphora) n sgen 13013*
Aciptilia homoiodactyla 13013*
Aciptilia ivae 13013*
Aciptilia klimeschi 13013*
Acisanthera 50017*
Ackers C P 8046
Acleistomyces n g 86551*
Aclerdidae 73792*
Acleris gloverana-variana complex 82768
Aclitinae n sfam 92556*
Acmaeodera yuccavora 64348
Acmocerini 92349*
Acnaeus 82257 82271
Acoenitini 92566*
Acomatacarus yosanoi 38060*
Aconitase 88111*
Aconitic acid 33894 8921* 77771*
Aconitum 23935*
Aconitum chasmanthum 722 16284
Aconitum gigas 43027*
Aconitum leucostomum 90570*
Aconitum violaceum 16285
Aconodes 92347*
Acontistinae 29766* 82843* 82844*
Acorns 46634 53487 38449* 81231*
Acorus calamus 17708*
Acotyledon 29318*
Acracona remipedalis 64692
Acrasiales 51339
Acrasieae 86571*
Acrasis rosea 24625
Acreage allotments 7558
SEE ALSO UNDER names of crops
Acreage and area 39110 56503 93192 30334*

Item

Acreage and area--Cont
adjustments 13569 14221 14282 21910 30316 56520 57151 58087
Netherlands 31895* 31901*
Republic of South Africa 7291
USSR 39091*
Argentina 47830*
Australia 47813
Cameroun 85713*
Canada 6088
Delaware 21920 65265
Germany 21913* 39087* 47815* 47818* 49245* 56507* 65261* 83598* 93177*
India 6087 13577 13609 56508
Italy 15143*
Louisiana 85742
Malaya 83587
Pakistan 47823
Poland 48726*
Sweden 39095*
USSR 30334*
SEE ALSO UNDER names of crops
Acremoniella atra 33336*
Acricid SEE Binapacryl
Acrididae
anatomy and physiology 5576 38534 82842 47215* 56004* 82818*
Arizona 82847
California 29754
cytology 92635*
Czechoslovakia 47220*
ecology 21458 38537
eggs 12458 92440
genetics 82837*
geographic distribution 29777 92642*
habits and behavior 56004 92641 82819* 92642*
larvae 82819*
Mexico 38549 38550 64706
nomenclature 47225 55997
North America 38549 38550
numbers 21465
nutrition 82842
parasites 92429
populations 13057
predators 92440
taxonomy 29777 38529 38534 47226
Acridine orange 792 87455 16380* 87746*
Acridoidea
Africa 29758 56005 73863 82826
anatomy and physiology 56005
Asia 73871
Central Asia 38528
eggs 21450
parasites 92430*
Sierra Leone 56005
taxonomy 13055 21449 29753 73863 73871 82813 82821
Acriflavine 2098
Acritonotus n g 92328
Acritus 82271
Acrizane chloride 33128
Acrobasis caryae 12558 73284
Acrobasis juglandis 4701
Acroberotha okamotonis 29801
Acrocentrus n g 47115*
Acrocercops cramerella 37706*
Acroceridae 82429*
Acrocerops 82675*
Acrocyrtus 56047

Item

Acrolein 43733
Acrolepia assectella 4596
Acrolophidae 82674*
Acrolophus argentinus 82674*
Acronarista 38227
Acronycta rumicis 73822*
Acronyctinae 82746*
Acrophylla tessellata 56003
Acroporium 8268
Acrosperia 8313
Acrosternum nigeriense 64527*
Acrotriche 33697
Acrotylus 21461*
Acrotylus insubricus 47215*
Acrulia inflata 73594
Acrydium undulatum 21459
Acrylamide 22789 22790
Acrylic acid 9982*
Acrylonitrile 13920 39518 55526 55527 2846*
Acta Entomologica Sinica 37434*
Actaea racemosa 68676
Actaletes calcarius 73889
Acteina 68676
Actenia phaealis 82754*
ACTH
effects on cattle 54457 62921*
effects on poultry 20263 46037 72627 91356
effects on rabbits 63379
effects on sheep 37574
therapeutic use 45278 90629*
cattle 19877*
swine 12239* 12241* 20493* 20530*
Actia painei 73666
Actia tibialis 12880*
Actidione 8496 24260 26107 50383 51356 34074*
Actinidia 67764* 88968*
Actinidia chinensis 17386 25582
Actinidia kolomikta 25707*
Actinobacillosis 36666 54369 62795*
cattle 62850 79793*
rabbits 12049 37148
swine 46230*
Actinobacillus equuli 3764*
Actinobacillus lignieresi 36666 45653 62795* 79793*
Actinobacillus suis 46230*
Actinogyra polyrrhiza 41559*
Actinomyces 24092* 67844* 68753* 89560*
reviews 72190
taxonomy 24092* 67611*
Actinomyces albidus 2162*
Actinomyces aureofaciens 8809 68504*
Actinomyces echinatus 31*
Actinomyces erythreus 68474*
Actinomyces flavochromogenes 31*
Actinomyces griseolus 31*
Actinomyces levoris 89546
Actinomyces olivaceus 68504*
Actinomyces olivoreticuli 67318*
Actinomyces rimosus 77445*
Actinomyces scabies SEE Streptomyces scabies
Actinomyces streptomycini 68504* 69225*
Actinomyces violaceus 68366*
Actinomycetaceae 67607*
Actinomycetales 281
Actinomycetes 41543 86316 46236*
anatomy and physiology 1268 60014 67768* 86378* 87333*
reviews 16555
biochemistry 613 34281

Item

Actinomycetes--Cont
ecology 24541*
in soils 2135 33000 44055 67832 24092* 29049* 35200* 41813* 44025* 61186* 61214* 70338* 70342* 70346* 70357* 70361* 78404* 89545* 89547* 89561*
morphology 41556* 68293*
taxonomy 41532 41556* 41570* 67608* 67639* 86563*
Actinomycin D 63315 72668
Actinomycosis 45600 20515* 37165* 46236* 80647*
Actinopycnidium n g 67607*
Actinostrobus pyramidalis 59661
Actium 82271
Activated carbon 26084 63757 53675* 66101* 93902*
Activated charcoal 12463 52429 2940* 74580*
Activated clays 63757
Activated sludge 26098 71687 28616* 81222*
Activation analysis 75400
Actograph 38263
Actomyosins 39910
Actornithophilus 64718
Aculus 46793 92318*
Aculus lycopersici 82187 12488* 63962* 81618*
Aculus pelekassi 82169*
Acuminochernes 21053
Acyrthosiphon 29533 47036*
Acyrthosiphon onobrychis SEE Macrosiphum pisi
Acyrthosiphon pisum SEE Macrosiphum pisi
Adactynus tutigula 21290
Adalia bipunctata 29362
Adalia decempunctata 73714
Adamantinoma 91181*
Adams-Stokes disease 36576* 54624*
Adarrus 38291*
Additional Municipal Hail 57721
Adela rufimitrella 29630
Adelaide Botanic Garden 41239
Adelaide Institute of Medical and Veterinary Science 3078
Adelencyrtus 29582
Adelges SEE Chermes
Adelgidae SEE Chermidae
Adelidae 38481*
Adelocephala quadrilineata 82716
Adelopsis 5043*
Adelphocoris jakovlevi 46422*
Adelphocoris lineolatus 46462*
Adelphocoris superbus 46467
Adelphophylus n g 47058*
Ademula 38358
Adenia 23936*
Adenine 5131 34315 25037* 60167* 87775*
Adenine nucleotides 90508*
Adenium multiflorum 32764
Adenocarcinoma 28008 45782
Adenoma 3704* 54501* 91228*
SEE ALSO Pulmonary adenomatosis
Adenosinemonophosphate 5561
Adenosinetriphosphatase 39910 69167 34301*
Adenosinetriphosphates 51113 60324 60226* 87775* 87974* 88229*
Adenostoma fasciculatum 16680
Adenoviruses 28637

*Text of this reference is not in English.

Item

5-Adenylic acid 39278
Aderidae 64393
Aderkomyces n g 86551*
Aderus 64393
Adesmia bedwellii 8748
Adevetin 91910*
Adhesions 36776
Adhesives 36007 11008* 19237* 90397*
  insecticidal 4760
  properties 27190* 71495* 90405*
  quality 19242
  resin 2895 19306 27103 36010 45038 11009* 11020* 19245* 45028* 53627* 62129* 62174* 71503*
    synthetic 11022
  reviews 36001
  tests 19239 90394 2896* 2901* 45027* 71493*
  types 45105 79514 90400 27100* 90405*
  utilization 12340 19494
  SEE ALSO Mucilage
Adiantum 50792 60783 68373*
Adiantum capillus-veneris 68477
Adiantum confine 877
Adiantum diaphanum 77402*
Adiantum hispidulum 59509
Adiantum rhizophorum 877
Adiantum tracyi 33743
Adicella 47258*
Adipic acid 34105*
Adipose tissue 48633
  cattle 11681 12382 19928 62641 11547*
  insects SEE Fat body
  poultry 3877 11864 63338 72538 91487 72554*
  rats 45857 55287* 55286*
  sheep 31277 81069 91726
  swine 4174 11681 28555 46298 55021 55086 63645 4244* 12203* 12254* 12261* 12292* 20494* 28565* 63635 63691* 73002* 81285* 91802*
Adiscus 21113
Adler's test SEE Benzidine test
Admetus barbadensis 73539 82114
Admirencyrtus n g 12959
Adneella n g 64479*
Adonis 32730*
Adonis amurensis 42186*
Adonis davurica 42186*
Adonis vernalis 68109* 71751*
Adopoea lineola SEE Thymelicus lineola
Adoratura 46994*
Adoretus oedipus SEE Trigonostomum oedipus
Adoretus truncatus SEE Prodoretus pentheri
Adoxophyes 21366 73816
Adoxophyes orana 13039 21420 12603*
Adrenal cortex 36790 46013 91356 3578* 45368*
Adrenal cortical hormones 19580* 53844*
  effects on rabbits 37149 46084*
  reviews 90724*
  therapeutic use 20070 45278 72427 90657 80394* 90629*
Adrenal glands 62471* 80349*
  cattle 27900 62927 19781*
  dogs 3655 63027 54545*

Item

Adrenal glands--Cont
  geese 63335*
  mice 80678 72438*
  poultry 20263 46037 80799 91536 72667* 54862
  rabbits
  rats 36930 80678 80682
  sheep 63515 81132*
  swine 12279* 37389* 46266* 55126*
Adrenalectomy 11991
Adrenalin 53976*
  effects on cats 63029
  effects on cattle 3574*
  effects on dogs 36808* 54517*
  effects on sheep 4124
Adrenochrome 91139*
Adrenocorticotrophic hormone SEE ACTH
Adrenocorticotropin SEE ACTH
Adsuki beans 33878 51441
Advances in Agronomy 10123
Advances in Applied Microbiology 41080
Advances in Carbohydrate Chemistry 74424
Advances in Food Research 13842
Advances in Genetics 94831
Advances in Protein Chemistry 56338
Advances in Virus Research 53812
Advertising 30196 47685 47716 56393 83379 83384 83401 83406
  Australia 47686 47710
  conferences and congresses 83426
  France 47703*
  Italy 86011*
  SEE ALSO SUBHEADS advertising; public relations UNDER specific subjects
Advisory services SEE Extension work; and UNDER specific subjects
Aecidium 59020* 86589*
Aedes 82453
  anatomy and physiology 38286 64470 82488*
  and disease 4539 20669 37545
  Brazil 29495
  California 28900 38259 73721 73722 82456 82457
  China 38283*
  control 4581* 55322*
  Delaware 82470
  Denmark 28816*
  eggs 55839 55843*
  Florida 38270
  habits and behavior 64470 81503
  larvae 21256*
  New Jersey 81491
  Poland 82462
  Tanganyika 46986
  Western States 29506
Aedes aegypti
  abnormalities 5192
  anatomy and physiology 5188 21253 21255 29491 46977 64478 73726 82478 82479 82494 82495 64469*
  and disease 4487 12422 20616 20655 46394 73166 81446 81451 81470 81519 37539*
  control 4512 28908*
    Brazil 37539*
    Indonesia 55348
    policies and programs 4552

Item

Aedes aegypti--Cont
  policies and programs--cont
    tests 4407 55348 81512 81546 81603 63731*
  cytology 21252*
  diseases 20667
  eggs 5193 5196 29493 29514
  food and host plants 12908
  genetics 4378 5184 29491 64477 63732*
  habits and behavior 4526 5187 29501 73149 81494 82495
  insecticide resistance 4323 4353 4378 4390 4452 81369 63732*
  larvae 4585 81592 82452 38256*
  nomenclature 82472
  parasites 12914 12915
  populations 5184
  pupae 5201
  rearing and breeding 4452 29509 81546 82475 63732*
Aedes albopictus 4539 37603*
Aedes cataphylla 73722
Aedes communis 29511 73721
Aedes communis group 55843*
Aedes dorsalis 28897 82464
Aedes eritreae karooensis 29505
Aedes fitchii 82456
Aedes gilliesi 46986
Aedes grenieri 55834*
Aedes hancocki 46986
Aedes hexadontus 82457
Aedes ioliota 82488*
Aedes mattinglyi 21256*
Aedes (Mucidus) 12913
Aedes mzooi 46986
Aedes (Neomelaniconion) 12913
Aedes nigromaculis 28826
Aedes (Nothoskusea) n sgen 73723
Aedes (Ochlerotatus) 12913
Aedes opok 55833
Aedes pembaensis 29508
Aedes (Pseudoskusea) 46976
Aedes pullatus 38264*
Aedes scapularis 29495
Aedes schizopinax 29506
Aedes sierrensis 5195 5209 28900 73720
Aedes sollicitans 37545 81480 81523 81531 81549 81558 82477 82490
Aedes squamiger 28897
Aedes (Stegomyia) 92482
Aedes stimulans 5190 5191
Aedes taeniorhynchus 5204 28829 38270 81523 81549
Aedes tarsalis group 55834*
Aedes thibaulti 5194
Aedes togoi 20654
Aedes trichurus 5191 82469
Aedes triseriatus 21267 38286
Aedes usambara 46986
Aedes vexans 4526 5189 5199 37545 55335 55336 82477 55299*
Aedes vittatus 38257
Aedipoda pellarini 73868
Aegeria apiformis 46663*
Aegeria culiciformis 13045
Aegeria myopaeformis 92151*
Aegeriidae 47206 82688
Aegiale hesperiaris 92168*
Aegiceras majus 53670
Aegilops 24766 50913 8851*
Aegilops ovata 16495
Aegilops squarrosa 24760 33792

Item

Aegilops umbellulata 24755
Aeginetia 52234
Aeginetia indica 9866
Aegiphila 145 8230
Aegle marmelos 7048
Aeglopsis 59178
Aegocidnus 82225*
Aegopodium podagraria 87289*
Aegosoma scabricorne 64370*
Aelia 92069*
Aelia acuminata 38328
Aelia cognata 75318*
Aeneolamia 46484*
Aeneolamia postica 55445* 81691*
Aeneolamia saccharina SEE Aeneolamia varia saccharina
Aeneolamia varia saccharina 4613 20788 37688 55243 55474
Aenigmopus n g 55689
Aeolagrion 38561
Aepytus 38518*
Aerides 24015
Aerobacter aerogenes 39860 65393* 72217*
Aerobacter cloacae 62853*
Aeropus sibiricus 64709*
Aerosols 4454 21862 37451* 86660*
  application 63819 81523 47472* 81384* 86623*
  containers 29986* 56724* 56725* 56726* 73167*
  cotton pest control 20784*
  field crop pest control 12520* 73187*
  fly control 12387 92013*
  forest pest control 55556* 73378* 73384*
  fruit pest control 12550* 37726* 73321* 92189*
  grasshopper and locust control 37451*
  history 63739
  household pest control 4727 55205
  human pest control 20675*
  in veterinary medicine 83029* 90656* 91217* 91539* 91879*
  livestock pest control 55351* 73167*
  mite control 20697*
  mosquito control 28815 28876 28890 28898 81513 81523 81549 4515*
  plant pest control 4727 73089*
  propellents 4406
  storage pest control 37782
  tests 12369 56442*
Aeschna cyanea 13091*
Aeschna subarctica 21507
Aeschremon 47130*
Aeschynomene 806
Aesculus 60844* 72945* 77130*
Aesculus hippocastanum 76929 8527* 24833* 50400*
Aeshna 38587
Aeshna arida 13075
Aeshna persephone 13075
Aethaloessa 29744
Aetheomorpha 21113
Aethes elsana 82773
Aethiothemus 82897
Afanas'ev K S 23791*
Aflatunia ulmifolia 59538*
Afraegle 59178
Afraegle paniculata 22944 30952 34334
African horse sickness 11829 52347 20071* 80639* 80662*
African oilpalm
  anatomy and physiology 16828*
  biochemistry 77830
  breeding 89431

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Item

African oilpalm--Cont
culture 89431 9953* 52347* 52359* 70124* 89412*
fertilizers 70546 70634 78691*
fungus diseases 67902
germination reviews 1206
planting 70124*
seeds 75584
soils 26351
taxonomy 15794
weed control 70083
yields 70634 16828*
West Africa 26003
African swine fever 12234 20489 46268 55137 63647 73050 12247*
diagnosis 81277*
Portugal 4289*
prevention 81277*
Spain 4289* 63662*
virus 37387 28667*
African violet SEE Saintpaulia
Africastathes SEE Astathes (Africastathes)
Afronurus 47233
Afropachyiulus n g 64314*
Afrosyleter 73595*
Afrotoxopoda n g 73712*
Afsillin SEE Benzylpenicillin procaine
Afzelia 19230*
Agabus 46874*
Agabus biguttatus 12840
Agalactia SEE Contagious agalactia; Mastitis; Milk fever, swine
Agalinis SEE Gerardia
Agallia 38289* 64499*
Agallia constricta 20745 20795 55207 91989
Agaon paradoxum 64572
Agaonidae 64572
Agapanthus patens 50087
Agapostemon nasutus 82592
Agar 41244 50238 50555 82167 6358* 46232* 53815* 62415*
Agar diffusion test 3562 48054 62746 80823 91828 93822 11360* 73016* 77246* 90960*
Agaricaceae 34153 24101* 86591*
Agaricales 41542 50724 67648 67644*
Agaricus 32972
Agaricus bisporus 51392* 88132*
Agaricus campestris 50139 60018 60009* 60010* 77671*
Agaricus hortensis 60331*
Agaricus xanthodermus 238
Agaristidae 5399
Agarum 234
Agathis 73791*
Agathis australis 34102 67330
Agathis labillardieri 71542
Agathis robusta 26899
Agathomyia 21206
Agathymus diabloensis 82707
Agathymus mariae 55979
Agatus 38107*
Agave
marketing 84013
Southwestern States 92 23943 32739 32740 58623 67420
SEE ALSO Sisal
Agave huachucensis 173
Agelasta 46816* 92347*
Agelena 82201
Agelena labyrinthica 55676*
Agelenidae 55676*
Ageniaspis 38327
Ageratum 34960

Item

Agglutination 20187 27447 27855 28648 45957 54754 54811 54822 54823 63320 72105 81318 90593 90594 90708 90709 19860* 20244* 27710* 28246* 36410* 45798* 45852* 54812* 54831* 63291* 63314* 63499* 72135* 72683* 80268* 80269* 80434* 80600* 80654* 90969* 91137* 91471*
SEE ALSO Flocculation; Hemagglutination inhibition test
Agglutinins
animals SEE Antigens and antibodies
plants 1328 69257 88211 42970* 69218*
Agistemus fleschneri 82208
Aglais urticae 82787 21358*
Aglaonema 17518 50799
Aglia tau 55978
Agloporite 65021
Aglycons 69222* 77832* 77833*
Agmark Scheme (India) 83853
Agnathosia mendicella 47183*
Agnioides n g 92347*
Agonioneurus albidus 38397
Agonioneurus subflavescens 38397
Agonopterix 64596 64649
Agonopterix subpropinquella 37662*
Agonoxena pyrogramma 73666
Agonum assimile 55759*
Agramma 29524
Agrarsoziale Gesellschaft 76358*
Agria affinis 29427 29434
Agribusiness 7609 7614 13887 15186 15223 15254 23277 23305 40617 40799 40829 49008 57635 57638 57640 57882 85527
SEE ALSO Vertical integration
Agricola Annuaire International 84138*
Agricultural Act of 1961 6624 6860 7513 22251 23184 31873
Agricultural attaches 8073 67263 67264
Agricultural Bank of Iran 7378
Agricultural Bank of Tasmania 22995
Agricultural chemicals SEE Chemicals; Economic poisons
Agricultural Chemicals Approval Scheme (Gt Brit) 41628 94862
Agricultural Conservation Program SEE Agricultural Stabilization and Conservation Program
Agricultural credit SEE Credit
Agricultural Credit Bank of Trinidad and Tobago 14694
Agricultural education 32203 40799 49483 58142 66965 85835
Australia 15235 94661*
Brazil 94690*
Belgium 66930*
bibliographies 40879
Burma 49460
Canada 7746
conferences and congresses 15275 40264 85882*
Congo 49476
Denmark 7482* 7798* 66941*
developing areas 49467
Europe 40818*

Item

Agricultural education--Cont
European Economic Community 15243*
France 40859* 58158* 58176*
Germany 15181* 15225* 15272* 15273* 15298* 40860* 49478* 94664* 94667* 94680* 94686* 94693* 94696*
East Germany 23527* 32172* 94694*
Great Britain 7788 7789
higher 7590 7608 7759 7765 7785 7799 7803 7983 15204 40798 40825 40828 40840 40850 40854 40872 49452 49510 79964 79976 79984 85824 85862 88522 94656 94674 94685 36258*
Australia 7751 15211 49503 85888
Belgium 49451 15293* 40805* 76789* 76797*
Brazil 23508* 85825*
Canada 7751 32198
Costa Rica 76386*
Florida 23479
France 85894* 94700*
Germany 40869* 66946* 76426* 94673* 94682* 94686*
East Germany 49501*
Great Britain 7756 32165 85870 85904
Illinois 15213 40819
India 15185 15190 15194 15195 15199 15201 15202 15203 15214 15221 15226 15227—15229 15231 15236 15239 15240 15244—15253 15259 15260—15263 15265 15266 15267 15269 15271 15276 15284 40811 42549 85880 94659
Iraq 7747
Italy 32201* 48453* 76421*
Kansas 94658
Latin America 58159
Missouri 15241
Netherlands 85827* 85855* 85864*
New Zealand 7751 7754 32159 32211 49456
Nigeria 7779
North Carolina 49490
North Dakota 66923
Pennsylvania 49279
Philippines 40877
Poland 23520 40885
Portugal 94688*
Republic of South Africa 85839 85852 85897
Scotland 66913 85269 85313
statistics 7750 49509
Sweden 23523*
Tennessee 17287
Texas 7778 32217
USSR 85883 23489* 23517* 76438* 85859* 85860* 94638*
West Indies 7771 76391
history 15290 85840
Denmark 66927*
Germany
East Germany 66964*
Italy 15255*
USSR 7776* 7801* 32188*
Iceland 76431*
India 15277 85858
Italy 40803* 66951* 85879*

Item

Agricultural education--Cont
Malagasy Republic 40824*
materials and methods 7765 23455 49506
Netherlands 40832* 85849*
Northern Ireland 32197 76420
policies and programs 15186 15223 15254 32216 76786 76790 15268* 23469*
Algeria 94675*
Colombia 85869*
India 15216 32210
Scotland 94649
secondary 7421 7767 14930 23506 40833 49426 49471 49477 49511 58161 66915 66970 94678
Austria 40862*
developing areas 49507
directories 32218 32219 40851
Germany 10559 15282*
Illinois 40834
India 58178
Latin America 7790*
Missouri 49474
Norway 49446* 49488*
Ohio 40865
policies and programs 49449 49473 85893
statistics 32229 15282*
USSR 85860*
Wisconsin 74168
situation and outlook 7804 58147 76413 76430
Sweden 85863*
Switzerland 40874* 49502*
teacher training and supervision 15230 21650 40833 58175 15187*
Thailand 32215*
USSR 32173 15232* 94687*
United Arab Republic 40867
Virginia 23466
West Indies 85902
SEE ALSO Agricultural trainees
Agricultural Enabling Amendments Act of 1961 75850
Agricultural engineering SEE Engineering
Agricultural experiment stations SEE Experiment stations
Agricultural extension SEE Extension work
Agricultural history SEE History
Agricultural Industries Forums 13113 22756 56680 56681 56682 57144
Agricultural Institute of Canada 7746
Agricultural Marketing Act of 1946 5984
Agricultural Marketing Firm Management Program (North Carolina) 65132
Agricultural Outlook Chartbook 94338
Agricultural Outlook Conference 31785
Agricultural Pesticide Technical Society 67664
Agricultural products
analysis and composition 30138 38892 38896 47675 5943* 13438* 13445* 56342*
Brazil 75867*
British Cameroons 93023*
care and handling 30300
Ceylon 65054
contamination 47741 73075
European Economic Community 67047

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Item

Agricultural products--Cont
French Overseas Territories 30121*
Lebanon 23231*
moisture 65087*
quality 13502* 13505* 15359* 47742*
regulation and inspection 24169 13505*
situation and outlook 56370 74390 74554 83315 93026
Australia 74388
Great Britain 58271
India 83311
Southern States 85959
USSR 13434* 30891* 47803*
utilization 13457 67285 93055
weight and measurement 13497
SEE ALSO Materials handling; Raw materials; and names of products
Agricultural Rehabilitation and Development Act (Canada) 40511 57879
Agricultural Research Center SEE U S Dept of Agriculture, Agricultural Research Center
Agricultural Society of Trinidad and Tobago 23532
Agricultural Stabilization and Conservation Program 7558 10578 22305 23135 35586 53037 57886 65273 85455
California 23204
conferences and congresses 7556 7557
Michigan 2495
New York 31862
North Carolina 57884
Oregon 57885
Agricultural Standards Act of 1952 (Australia) 86114
Agricultural Trade Development and Assistance Act of 1954 7098 7893 7922 23638 40253 47624 48766 49638 58281 86016 86278 94771 23626*
Agricultural trainees 66968
Agriculture 23437 94342
Afghanistan 76025* 94323*
Africa 7452 57851 85429 94313*
Albania 23202
Algeria 57851
American Samoa 85456
Argentina 66554
Australia 7521 15512 15520 23124 23229 31828 57824 66592 75971 85420 7462* 57848* 94262*
Bahamas 7971
Basutoland 15484
Belgium 66544* 94743*
bibliographies 23150 32230 40526 49147 49186 66519 76038 85375 86105 31845* 40506* 40516*
Africa 94332
Canada 66511 85344
Estonia 75965*
Ghana 85464
Italy 94299*
Latvia 76027*
Near East 85324
Norway 23749*
Scandinavia 40452*
USSR 49114* 94260*
Brazil 23222* 31682* 94849*
British colonies 14871
British Guiana 23712
Brunei 40432

Item

Agriculture--Cont
Burma 75980 76655 76068*
California 23713 23726 31826 41090 67056 67065 76531 76546 85382 86132
Canada 7517 23140 23484 32489 58382 66509 66512 75992 76669 76677 85343 85406 94833 94837 94856 94857*
Cape Verde Islands 66565*
Caribbean area 23226
Ceylon 76651 94124
Channel Islands 85383*
China 14877 23181 57821 94274 76024*
Colombia 86107*
conferences and congresses 94261
Costa Rica 23715*
Cuba 14893*
Czechoslovakia 14809* 85412*
Denmark 23144 23151 23209 23592 94280 94282 7509* 15488* 23717* 32383* 41117* 58381* 67159* 66547* 66563* 85425*
developing areas 46377 76064
dictionaries 66564*
directories 31794 66584 76016 76034 76044
Ecuador 49203
El Salvador 76653*
Ethiopia 14852 23207*
Europe 40464 8106* 31848*
European Economic Community 76037 94329 7563* 31818* 31820* 31846* 49591* 66832* 75985* 94263*
Finland 85450
France 13493* 14900* 40519* 46696* 66510* 66571* 76051*
Georgia 58365 94121
Germany 7511* 7512* 13493* 14838* 15517* 31810* 31848* 40467* 40496* 57817* 66577* 74468* 76009* 76051* 85436*
East Germany 31656* 40472* 85436*
Ghana 78323 85463
Great Britain 7498 7518 7539 7555 7564 23146 31880 31903 40462 40481 40529 49149 76021 85363 85387 94295 94315 7470* 14933* 14934* 40508* 66568*
Great Plains 31693
Grenada 49754
Guam 76656
Guinea 14830
Haiti 23163*
Hawaii 31871 32495
Honduras 57825*
Hong Kong 49155 76065
Hungary 31894* 67266* 75978*
Iceland 41087* 67150*
illustrations 85389*
in art 57854*
in literature 94317*
India 7515 14661 15485 41118 76661 85432 7493* 14919* 31884
Iran 15310* 23214* 40459* 76012*
Ireland 31832 76674 76676

Item

Agriculture--Cont
Isle of Man 86115
Israel 673 7474 14880 49159 57827 78161 14870* 31792* 94298*
Italy 23133 14839* 40282* 85349* 85459*
Jamaica 7494 76016
Japan 76011 49207* 85460*
Jersey 23164
Kansas 94847
Kentucky 58369
Kenya 15499 41113 76663
Korea 76039*
Lebanon 23231*
Liberia 76664
Lithuania 14867*
Louisiana 86116
Maine 12682
Malaya 32074
Malta 31823
Mauritius 58374
Mediterranean area 7508
Mexico 67155 66535*
Mississippi 94296 23182*
Mongolia 85394* 94275*
Morocco 40494 57851
mountain areas 85372*
Australia 7496*
Austria 21815* 30175*
France 7497* 94325*
Germany 23193*
Italy 49181* 85774*
USSR 40475*
Mozambique 49165*
native
Africa 76129*
Rhodesia and Nyasaland 85481 85560 85574
Uganda 57858 57960
Netherlands 31875 94343 23152* 23159* 23165* 32499*
New Jersey 49763
New York 76670
New Zealand 7519 23188 78534
Nicaragua 31878*
Nigeria 32503 94319
North Africa 68161
North Borneo 23747 49172
North Carolina 70486
Northern Ireland 94853
Norway 23126 66529 67166 14876* 14922* 23761* 40286* 41105* 66980* 76672* 76678* 76688* 76689* 94266*
Pacific Northwest 85421
Pakistan 40507
Papua and New Guinea 7520 85361
Pennsylvania 32506
Philippines 57861
Poland 14941* 65126* 85379*
productive capacity 6098 7492 7542 7559 7568 7731 7733 14845 14883 21910 31790 31791 31815 31824 31855 40421 48993 49139 57621 57812 57826 57831 57837 57947 58091 66426 66609 74391 75832 93125 14878* 30334* 31891* 49116* 57857* 66570* 76061*
Africa 31822*
Arctic Region 49178
Argentina 57819
Australia 14855 40450 85365 92698 93801 94277 94305
Austria 66549* 94303*
Belgium 90796*
bibliographies 49117
Canada 40260 74551 94513
China 40453*

Item

Agriculture--Cont
productive capacity--cont
Cuba 49173
Czechoslovakia 31808 66550*
Denmark 57849*
Europe 75998* 85330*
European Economic Community 75986*
France 66603*
Germany 7511* 40503* 57856* 76073*
East Germany 14904* 14912* 23200* 76056* 85400*
Great Britain 40242 94341
India 14915 23213 23810 31887 49170 49176 83593 85442 94324
Italy 23132* 31899* 47833* 49168*
Japan 85246*
Kenya 94407
Latvia 40502
Mozambique 49134*
Netherlands 66884
Nevada 23125
Norway 31795*
Pakistan 93074
Pennsylvania 85424
Poland 23095* 64762* 94284*
Rhodesia and Nyasaland 23198
Samoa 85329
Scotland 85437
Spain 40434* 85414*
Sweden 40411*
Tahiti 5916
Tropics 85337*
USSR 7504 7548 7559 14817 31790 31791 40421 66609 30334* 31817* 57881* 66539* 85392* 85393* 85400*
Venezuela 14869*
Vietnam 23223
Western Hemisphere 56337
Puerto Rico 41128*
regulation 7459 40427 40428 47766 49208 85388 40493* 76032*
Germany
East Germany 57874*
Italy 49128*
Republic of South Africa 673
Reunion 66524*
Rhodesia and Nyasaland 8001 14896 23750
Saint Vincent 32507 86131
Sarawak 23756 94153
Sardinia 14903*
Seychelles 8002
Sicily 40514 49169*
Sierra Leone 8003
situation and outlook SEE Situation and outlook
South Dakota 49769
Spain 66532* 76057* 85415*
Sudan 23211 23212 66589
Surinam 49766*
surveys 7701 49131 76815 85688
Sweden 7985* 15491* 15492* 23175* 23753* 32245* 32504* 32509* 32514* 41115* 41146* 58377* 66920* 67152* 67153* 76691* 76697* 86099* 86100* 86124* 86142*
Switzerland 71380*
Syria 23131*
Taiwan 8402*
Tanganyika 41136

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Item

Agriculture--Cont
terminology 14914* 23173* 94428*
Texas 49120 57821
Thailand 76063 85454 57847*
Tropics 23161 94318 23837*
Tunisia 57851
Turkey 7537
Uganda 67167
USSR 7456 7504 23205 23215 23230 31892 57800 57821 66497 67370 7454* 14813* 15620* 23167* 23169* 23208* 49161* 57803* 75964* 76035* 85331* 94286* 94316*
USSR bloc 31892
United Arab Republic 40488*
United States 75990 85144 85362
Venezuela 94874*
Vietnam 66523*
Virgin Islands 57890 94872
Virginia 66508
West Indies 23226
Wyoming 8013
Yugoslavia 14823* 57797*
Zanzibar 67175
Agriculture Act 1957 (Gt Brit) 85594
Agriidae 47245
Agrilus 29332* 46879*
Agrilus chrysoderes 12550*
Agrimonia eupatoria 59504
Agriocnemis 29782
Agriotes lineatus 38065* 64399*
Agriotes obscurus 38065* 64398* 64399* 81675*
Agriotes sputator 38065*
Agriotes ustulatus 81675*
Agriotypinae 29612
Agriphila 47130*
Agrobacterium radiobacter 52622 78462*
Agrobacterium rubi 8562*
Agrobacterium tumefaciens 520 8560 8573 16100 24396 33354 41944 53064 59102 67959 86985 531* 8563* 24392* 33351* 33364* 50436* 59098* 67959* 67974* 77047* 78462* 86988* 86989* 86990*
Agrochola lychnidis 29650
Agrodiaetus 21382* 82706*
Agrodiaetus dolus 21402*
Agrodiaetus ripartii group 21403*
Agroelymus turneri 50759
Agrologists 85527
Agromyza 5149 21237
Agromyza phaseoli 55437
Agromyza pinguis 4635* 63932*
Agromyzidae
Africa 21237 55822*
anatomy and physiology 63903
as pests 81616 12507*
Australia 5116
collections 5098
control 63903
food and host plants 82383 82426
Germany 12901
Great Britain 5153
Japan 5149 82426
Kurile Islands 92466
larvae 12882
Netherlands 20746*
taxonomy 38182 55822*
Agronomists 34342 90685*
directories 88273
Agronomy 16996 26009 88306

Item

Agronomy--Cont
Argentina 9334*
as an occupation 88261
associations 34358
Australia 34372
Canada 77838
China 66857*
Colombia 17008*
conferences and congresses 60371 60380 77842
Congo 69288*
Ecuador 16998*
Estonia 60388*
Germany 51600* 69310*
East Germany 69305*
Great Britain 77841
history 9338* 15585* 60380* 69299* 88276*
Hungary 60383*
Iraq 9337*
Kansas 25283
Louisiana 69296
Mongolia 9336*
Nebraska 1446
Netherlands 34360* 88307*
New Jersey 88304
New Zealand 34363
North Africa 50634*
Pennsylvania 1434 51607
research 1436 60369 88287
Austria 43077*
Congo 1417*
France 9338* 34343*
Germany 34352* 51601* 52084* 83123*
Great Britain 1427
Hungary 88302*
Jordan 69291
Kenya 1412
Malagasy Republic 88262*
Nevada 88292
Rumania 43071*
Trinidad 43055 88265
Rhodesia and Nyasaland 25264 78706
Rwanda-Burundi 43060*
South Dakota 60389 60390
statistical methods 1411 1412 1661 9331 25120 34354 43068 43139 51584 51592 60425 69309 69316 70666 88283 88289 1438* 1439* 1485* 16990* 25267* 25272* 25284* 25841* 34364* 34371* 43326* 43058* 43072* 51603* 69281* 69288* 69293* 69397* 69676* 77844* 88285* 88308*
study and teaching 1448 88282*
Tropics 50621*
USSR 9322* 9323* 9325* 16985* 43069* 60377* 60381* 60393* 69278* 69317* 76728* 78270* 88278* 88279* 88300*
Virginia 1413
Agropyron
biochemistry 69170*
Canada 111
Euboea 8183*
genetics 68516* 87480*
hybrids 914 23947 24611 24693 24694 24695 33617 76967 68516* 69233* 69442* 77901* 87480*
morphology 24611 59405*
Netherlands 41394*
New Zealand 67428
planting 1591 78939*
pollen 69233*
seeds 84971
taxonomy 111 41394*
varieties 1558 59405*

Item

Agropyron cristatum 15751
breeding 25427 60575 34498* 43249*
cytology 50653
ecology 8661
fertilizers 18370
genetics 24701
planting 88612
seeds 60575
yields 60575
Agropyron desertorum 8661 15751 16646 33617 89310 87598 88609
Agropyron elongatum 88520*
Agropyron glaucum 69170*
Agropyron inerme 51212
Agropyron intermedium
anatomy and physiology 68730
breeding 51758 51773
culture 43240
ecology 68135*
South Dakota 25479
taxonomy 68135
Agropyron pseudorepens 76967
Agropyron repens
anatomy and physiology 1103 8473 16681 16683 24930 25950 25954 34140 42694 52247 68821 78193 1262*
control 16681 17681 17730 17776 17817 25950 34140 42694 52160 52180 78193
chemical 35765
Great Britain 9909 34985 35000 35015 35029 35040
Michigan 60971
Northeastern States 52205 52247 52283 52321
Norway 1951*
Spain 60967*
USSR 1904*
cytology 33617
fungus diseases 8473 8535
morphology 33617
Agropyron scabrum 67428
Agropyron sibiricum 1961
Agropyron spicatum 18298
Agropyron trichophorum 68135*
Agropyrum SEE Agropyron
Agrostemma githago 9137*
Agrostis 17678 59205 68099*
Agrostis alba 35120 42576* 59237*
Agrostis gigantea 35029 34985
Agrostis palustris 68849
Agrostis rossae 76935
Agrostis spica-venti 70074* 78218
Agrostis stolonifera 34985
Agrostis tenuis 68848
Agrothereutes 38417
Agrotidae SEE Noctuidae
Agrotis 29683*
Agrotis c-nigrum SEE Amathes c-nigrum
Agrotis exclamationis 92598*
Agrotis ipsilon 28767 29011
Agrotis orthogonia 55969 64646 82726 82727
Agrotis saucia SEE Peridroma saucia
Agrotis segetum 20713* 20775* 20785* 21398*
Agrozyme 27348
Agylla 38490*
Ahmedabad Textile Industry's Research Association 6452
Ailanthus 59595*
Ailanthus altissima 88049 25122* 53646* 79627* 86846*

Item

Ailanthus glandulosa SEE Ailanthus altissima
Aiolopus strepens 5555*
Air conditioning SEE UNDER specific subjects
Air cushion vehicles 83036*
Air pollution 19052*
effects on animals 28288 36585 72717 11277* 36296* 53823*
effects on bees 37851*
effects on plants 16748 41602 41652 41708 42452 50186 51258 58817 58897 68804 77055 86671 87608 650* 8344* 24114* 33133* 33524* 41595* 41657* 60142* 67763*
effects on trees 10802* 26944* 26946* 26951* 44865* 44868* 44870* 60142* 71305* 79371* 79377* 92230* 92232*
Air sac disease SEE Chronic respiratory disease
Air sacs 3952 28258 28278 28302 45981 54821 72615 37008*
Aircraft 45035
disinfestation 4498 4505 4530 4547 4561 4592 12369 46371 55236
in agriculture 5810 5811 5818 8884 13300 13304 21688 24457 47511 47522 64968 83165 83176 92950 8408* 9429* 38746* 74249*
Argentina 56243
Australia 5825 92932
Colombia 29984*
Italy 38762* 83188*
Japan 56244
USSR 33130 13313* 83192* 96667*
USSR bloc 38769*
in bird control 47468*
in brush control 43722 89336
in entomological research 28760 37964
in fertilizer application 5732 5733 5738 74077
Germany
East Germany 90167*
Hungary 47386*
Texas 44160
in forest fire control 2769 10832 53444 53445 53449 90274 53455*
in forestry 4759 10723 18888 18908 26753 26949 27019 79439 92228 10703* 71210* 81881*
Canada 4745 35790 53107
Germany
East Germany 64077* 90167*
Iran 35716
Rhode Island 18878
Tennessee 18883 18904
USSR 10916 12647* 61924* 64088* 90227* 90244*
Yugoslavia 79135*
in pest control 4759 5733 12467 12622 12642 21663 29990 41711 46634 47483 47484 64018 77050 81549 92228 13299* 37622* 46330* 86606* 91992*
Africa 12349

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Item

Aircraft--Cont
in pest control--cont
Arizona 46520
Canada 4745 55428 81604 81910
Colorado 73073
Florida 37528 55286
France 12319 46315*
Germany 64081* 73208*
East Germany 37817* 64077*
Italy 45625* 55465*
Michigan 63937
New Mexico 55316
Netherlands 55400
Ohio 73252
Poland 92244*
Texas 41690
USSR 63882 12443* 12647* 29063* 29143* 37620* 55419* 63941* 73100* 81622* 81710* 81881* 92164*
Vermont 4691
in plant disease control 338 387 5802 13295 16060 41711 47483 47484 77050 13299* 86606* 92916*
Belgium 33166*
Norway 41677* 50384*
Texas 41690
in rodent control 41698 86604*
in seed planting 5738 25432 34480 64854 47375*
in weed control 17746 18908 41711 43711 70091 44759*
Australia 34960
Hungary 29918*
Louisiana 43813
New Zealand 1948 47479
Rhode Island 2670
USSR 47469* 60988*
SEE ALSO Air cushion vehicles; Photography, aerial; and SUBHEAD transportation, by aircraft UNDER specific subjects
AIV acid 53784*
Aiyinasi Agricultural Station 94958
Aizoceae 41407 77765*
Ajania 32724*
Ajuga chamaepitys 32855*
Akademiya Nauk Armyanskoi SSR
Botanicheskii Sad 41240*
Akademiya Nauk Belorusskoi SSR 94260*
Gerbarii 67337*
Institut Biologii 67292*
Akademiya Nauk Kirgizskoi SSR
Institut Botaniki
Botanicheskii Sad 8255*
publications 49114*
Akademiya Nauk SSSR 76798*
Botanicheskii Institut imeni V L Komarova
Flora SSSR 15781*
Doklady 76890
Institut Ekonomiki 40269
Kolskii Filial
Polyarno-Alpiiskii Botanicheskii Sad 48
Sibirskoe Otdelenie
Biologicheskii Institut 8093*
Dal'nevostochnyi Botanicheskii Sad 23875*
Tsentral'nyi Sibirskii Botanicheskii Sad 67362*
Akademiya Nauk Ukrayins'koyi RSR 23849*
Instytut Botaniky 86328*

Item

Akademiya Nauk Ukrayins'koyi RSR--Cont
Tsentral'nyi Botanichnyi Sad 67450*
Akademiya Nauk Uzbekskoi SSR
Laboratoriya Entomologii 20557*
Muzei Prirody 73505*
Akaropeltis n g 32940*
Akebia quinata 67518*
Akita Eirinkyoku Tokeisho 61726*
Alabama Agricultural Experiment Station 49877
history 8338 67193
North Alabama Horticulture Substation 9561
Piedmont Substation 8099
Upper Coastal Plain Substation 32601
Alabama Dept of Conservation
Forestry Div 79082
Lands Div 79082
Alameda County (Calif)
Mosquito Abatement District 81445
ALANAP 9141
Alanine 29531 88164 19549*
beta-Alanine 42936
Alanine-glycolate transaminase 43036*
Alanine racemase 30530*
Alaria esculenta 67573
Alaskan Science Conference 49748
Albara 29742
Alberta Board of Public Utility Commissioners 6168 93253
Alberta Dept of Agriculture 94833
Dairy Br 6168
Veterinary Serv Br 19429
Alberta Dept of Lands and Forests 57902
Alberta Wheat Pool 31081
Albinism
insects 64475 64619
plants 1219 9169 15750 42614 68519 8990* 24906* 34045* 68550* 88184*
rabbits 72754*
Albizzia julibrissin 33163 87818
Albizzia odoratissima 60362
Albizzia zygia 36087
Albugo candida 24356
Albumen SEE Eggs, whites
Albumin 80249 22468* 56635* 56649* 84433* 82020* 93391* 93393*
Alcaligenes 13715* 74730*
Alchemilla cymatophylla 86454*
Alchemilla vulgaris 27292*
Alcidodes 46834* 46836* 82266*
Alcis 38490*
Alcohol 84813
analysis and composition 14493
determination 7030 74407 6126* 6149*
effects on plants 9200 42944 77465 77773 42515*
effects on seeds 77723
from grain 6811* 84405*
from molasses 57534 6157* 13628* 94040* 94047* 94048*
from potatoes 6714*
from sugar 7249 93208*
from sulfite liquor 36039*
fuel 93055
in animal physiology 27842 54822 54906 54623* 63493* 71794* 80159* 80362*
in fats and oils 75611 84853*

Item

Alcohol--Cont
in fats and oils processing 75502
in foods 74407
in fruit processing 83551
in plants 16897 59959 77585 22341* 39641* 59878*
in vegetable processing 57370 75228
in wine 611 39184 6126* 6142* 6149* 56583*
SEE ALSO kinds of alcohol
Alcohol-insoluble substances 30959
Alcohol test 4104* 28483* 45140* 45663* 72848*
Alcoholic beverages 83678*
analysis and composition 65320*
contamination 74634*
reviews 74625
taxation 7408
trade 40995*
SEE ALSO names of alcoholic beverages
Alcoholysis 62171*
Aldehydes 80211 83369 84859*
effects on plants 77710*
herbicides 9904
in fats and oils 13749 57350
in insects 82555*
in wine 13643* 39127*
Alder SEE Alnus
Alder buckthorn SEE Rhamnus alnifolia
Aldolase 82478 54796*
in animal physiology 54765 63295*
in blood 20482
in plants 1381 60312
Aldoses 16888 28173
Aldrin
analysis and composition 91972*
ant control 28785* 46311*
chemistry 41736*
cotton pest control 20713*
determination 4385 4448 14070 18601 79028
in plants 4621 12461 73083*
in soils 55198 73083*
physiological action 37463
potato pest control 46475* 63936* 73258*
residual effectiveness 28858
residues 28865
sheep pest control 28858
termite control 73116 81905 92222 92223
toxicity 4429 4831
vegetable pest control 92057
Aldrovanda vesiculosa 24496*
Alebroides 64499
Alectoria 32989*
Alectoria implexa 41559*
Alectorobius 63845*
Alectorobius alactagalis 38050*
Alectorobius nereensis 38050*
Alegina laricellae 64608
Aleisk Nablyudatel'nyi Punkt 58883*
Aleksandrowicz B 76755
Aleochara bilineata 73640
Aleppo pine SEE Pinus halepensis
Aleptinoides ochrea 13040
Alessandro G d' Pietra Paragone 80655*
Aleuria aurantia 86572*
Aleurites SEE Tung tree
Aleurocanthus woglumi 12477* 92161*

Item

Aleurochiton complantus 82545*
Aleurodicus capiangae 21300
Aleurone 42331 87394
Aleuropteridis n g 21299
Aleurotrachelus jelinekii 38323
Aleutian disease 28076 36863 45809 63114 63106
Alexfainia n g 21082
Alexin 1332 41912 50208 50292 77213* 90604*
Aleyrodes 37449*
Aleyrodidae
anatomy and physiology 21279
as pests 4679
food and host plants 64525
Great Britain 38323
habits and behavior 82544
South Pacific area 38292
Sudan 82529
taxonomy 21299 38359
Aleyrodoidea 21300
Alfalfa
acreage and area 6433
analysis and composition 6421 22580 48124 56828 74927 83965 90553 45184*
anatomy and physiology 1084 1244 9013 9014 9066 16540 16558 16591 16644 16678 16773 16796 24775 25048 42602 44186 50968 59771 60185 68562 68812 69010 87587 16615* 24835* 25109* 34049* 51143* 51208* 51351* 59837* 60057* 68723* 69008* 69047* 69163* 87509* 87727* 87737* 87805* 87861* 87907*
bacterial diseases 50443 24228*
biochemistry 1312 1362 16678 25261 51491 51526 77788 1315* 60355* 69236*
breeding 1551 16427 25453 34487 51753 60513 69518 88583 12474* 25497* 34506* 77928* 88585*
conferences and congresses 53803
contamination 4615
costs and returns 30743
culture 43301 51491 69415
Argentina 69507*
Arizona 17149
Australia 43218 60511 88549
Canada 17171 17178
Chile 88503*
Estonia 88600*
Florida 16773
Germany 1604* 88678*
East Germany 69561* 69570*
Hungary 69499* 69575*
India 88617
Italy 35433* 51754* 77942* 88548* 88625*
Minnesota 43269
New Zealand 1560
Ohio 9462
Republic of South Africa 25458 51614 60543 88597
Rhodesia and Nyasaland 88538
Sweden 51737* 51775* 88595*
USSR 1609* 1632* 10339* 60565* 60589* 69379* 69653* 88712*
Washington 1538

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Item

Alfalfa--Cont
cytology 738
defoliation 43287*
digestibility 54164 54958*
disease resistance 24696 33144 51753 59736 34506* 67878*
diseases 33029 33030 33075 41607 67693* 67734*
dried 30701 30708 54195 56819 56828 80736 22146* 72953* 91655*
analysis and composition 56828
preservatives 30708 56819
situation and outlook 30701
drying 56164 74341* 74916* 83143*
reviews 83149*
effects on soils 26244* 43931*
enzymes 27268
fertilizers 44186 52793 60506 68562 70769 89640 89708 61331*
Argentina 18250* 70512*
Arkansas 52853
California 35333
Connecticut 10170
Czechoslovakia 61425* 87509*
Denmark 26269*
Georgia 44246
Germany
East Germany 2253
Hungary 78728*
Italy 26357* 78580*
Mississippi 26210
North Central States 26261
Republic of South Africa 26355 78739
Tennessee 10260
Texas 10264
USSR 18305 70625*-70627*
Wyoming 78714
Yugoslavia 70809* 89779*
fungus diseases 8473 16001 24199 24256 33264 50359 50369 50398 24228* 41913*
Austria 24237*
Canada 16031
Europe 41818
Great Britain 41818
South Dakota 59735
USSR 50417* 58889*
Yugoslavia 67782*
genetics 871 891 16427 16469 16472 24696 24716 33782 42346 42353 42446 50857 59735 59736 68489 77428
germination 42794 46495
hardiness 16678 16779 69619 60589* 68769*
harvesting 19755 25456 35333 42602 60583 62655* 69379*
equipment 56164 56167
harvesting date 43268 88596 43212* 69163*
hay 25456 33029 39436 62659 80099 91708 62655* 74340* 91655*
analysis and composition 19755
contamination 22121
nutritive value 36162 72816 72803*

Item

Alfalfa--Cont
hay--cont
prices 30742 39450
quality 83970*
statistics 6433
storage 30742
hybrids 738 8829 42446 50871 59605* 60355*
inoculation 78427 44023*
irrigation 28990 44378 70769 61569* 70780* 70809*
losses 58889*
Mexico 77938*
morphology 59605*
nematode resistance 87116
nematodes 24464 24467 50533 59209 87111*
Nevada 30743
nutritive value 11487 27268 36508 43268 53767 54164 54716 63424 72059 72576 78714 28484* 28602* 28608* 46200* 54728* 62655* 63577* 72951*
pest control 20718 55450
biological 4637 4662 12497 46465
Bulgaria 92114*
California 33029 33030
Canada 46467
Hungary 73196*
Kansas 4655 28965
New Mexico 37632 37633
North Carolina 4601 20763
Poland 46493*
seasonal 4601
South Dakota 20791 46519
Tennessee 29041
USSR 20757* 46422* 55440* 63933*
Virginia 28950
Washington 55469
West Virginia 81645
pest resistance 20751 51753 63898 63934 12474*
pests 4641 28990 82515 92082 67693*
Australia 46525
California 73431
habits and behavior 5008 20727 29444 47117 55749 47257*
Hungary 20710* 29241*
Italy 67734*
Nebraska 20727
Ohio 55379
Poland 92506* 92507*
Utah 46469
planting 60506 34049*
California 35333
Canada 17177
Colombia 17144*
Czechoslovakia 43214* 88516*
equipment 21606
Hungary 43227* 69617*
Italy 78580*
Nebraska 60422
New Zealand 43263
Sweden 51737*
USSR 88504*
planting date 9419* 43257*
pollen 1084 68489 34049*
pollination 1028 12321 12368 28765 37876 55598 73111 91962 77928* 88585*
processing 43268 11911*
reviews 83149*
proteins 10264 16469 25456 62641 1315* 51143* 83149*

Item

Alfalfa--Cont
pruning 87805*
quality 43268
seeds 1244 16818 37632 37633 52194 69518 69571 69622 25497* 51737* 70626* 88023*
Australia 43218
California 17685 33030 35333 69606* 88678*
certified 43269 69549
costs and returns 85633
Czechoslovakia 43303*
Hungary 43227*
New Zealand 88511
quality 70625*
Republic of South Africa 75708
treatment 35189 46495 55450 69236*
USSR 1609* 1632* 63933* 70625* 70780*
Washington 55469 85633
soils 10070 20718 68562 44052* 61210* 70342* 70365*
Bulgaria 89535*
Estonia 88600*
Germany
East Germany 69561*
Hungary 51699*
Oklahoma 51757
Oregon 52759
varieties 871 891 9469 25453 25456 25467 34481 42353 69518 69549 69571 69619 69622 77428 69564*
Australia 17146 17203
Canada 1551
Czechoslovakia 17164*
Germany 69606*
Hungary 69512*
Nebraska 63934 88583
New Zealand 69583
Sweden 88595*
USSR 51755* 68769* 69163* 88712*
Utah 25468
virus diseases 547 16133 33389 55416 587*
vitamins 54706
weed control 16591 52194 52275 60973
California 17685
Hungary 43677* 70035*
USSR 9925* 25930* 60941* 89319*
yields 16427 16472 16540 25456 28990 52793 89640 89708 17164* 69163* 88023* 88585*
Arkansas 52853
Australia 17146
California 35333
Czechoslovakia 43257* 43303*
Denmark 26269*
France 88602*
Hungary 78728*
Nebraska 88583
New Zealand 69583 88511
North Central States 26261
North Dakota 51808
Oklahoma 51757
Oregon 52759
Republic of South Africa 51614 88596
South Dakota 6433 46519
Texas 10264

Item

Alfalfa--Cont
yields--cont
USSR 25109* 70625* 70780* 88712*
Wyoming 78714
Alfalfa caterpillar SEE Colias eurytheme
Alfalfa meal 11478 14557 24970 28191 28433 28618 54143 62692 72578 6439* 22146* 28620* 28625* 28626* 39447* 46194* 46201* 72947* 72956* 74916* 91793* 91822*
Alfalfa plant bug SEE Adelphocoris lineolatus
Alfalfa webworm SEE Loxostege commixtalis
Alfalfa weevil SEE Hypera postica
Alfieri G 94905*
Alfort Ecole Nationale Veterinaire 45754
Alfort Laboratoire Central de Recherches Vétérinaires 62485
Algae
Adriatic Sea 60064
Alaska 41509
anatomy and physiology 947 971 1131 8887 15647 16307 16611 24830 32690 42578 42592 42671 42927 50775 50830 50954 51000 51082 51154 51277 51289 51568 68641 77478 78457 87518 87570 87688 87952 1196* 9042* 16751* 16871* 33593* 42612* 42853* 50732* 61230* 68814* 68947* 68948* 70328* 87956*
Argentina 32911*
Arizona 15829
as feed 14642 94098 19396* 64251*
as food 32478 41070 57615 75800 23686* 34157* 87837*
Australia 77004
Bermuda 50117
biochemistry 9234 9239 9271 9278 9315 16929 16930 25209 34297 42965 51568 60312 69274 78457 88201 88209 34251* 34324* 43041* 43042* 43052*
Caroline Islands 41507
collections 67574*
control 70052 70094
culture 14642 16577 25117 40229 41070 57615 75800 94098 14649* 24772* 68814* 75796* 87837*
cultures 32626 32680 50807 51000 51017 51022 51028 51061 51232 51320 68640 68814* 70366* 77370*
cytology 42222 42316 24620*
Death Valley 86532
ecology 634 641 8692 16239 16244 16262 33527 50577 50607 50629 51017 51289 68598 16222* 50574* 68173*
Adriatic area 16204*
Arctic Region 50622
bibliographies 68106*
Black Sea area 42147*
Canada 690 50611

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Item

Algae--Cont
ecology--cont
Caribbean area 50640
France 59248*
Great Britain 683 696 59311
Hungary 68101 24513* 68198* 77003* 77348*
Ireland 33517
Israel 42104
Japan 16223 33519 33522*
Nevada 87212
Norway 42152*
Sweden 59256*
USSR 8699* 59296* 59315*
Vancouver Island 697
Yugoslavia 50614* 87184*
Estonia 41520*
fat and oil content 68814*
France 32906* 77000*
Germany 15839*
Ghana 8277
Guinea 32905*
Hungary 24065* 67561*
in soils 16239 16262 26097 35186 41510 41519 52585 70337 768 *60172* 61230* 70328* 70366*
bibliographies 2120
Iowa 50112
Italy 41513
Japan 234 15846 41514 41524
Lake Huron 41511
Lithuania 67569*
Malaya 15836
Massachusetts 8281 50108
Minnesota 8280
morphology 16293 24641 42305 50807 68319*
New Zealand 24061
nitrogen fixation 2165 10061 18118 77526 78457
North Carolina 24064 86531
Pantelleria 41516*
processing 2165
proteins 1382 60333 16397* 19396* 68814*
Republic of South Africa 214
Rumania 67568*
South Dakota 50109
Spitzbergen 8283*
starches 66291
Switzerland 58761*
Taiwan 32907
taxonomy 50116 33593* 50110* 50115*
reviews 58762*
USSR 86535 220* 230* 232* 236* 24057* 41518* 67563* 67564*
utilization 43876 7323* 48976* 75796*
vitamins 48982
West Indies 32935
SEE ALSO Seaweed; and names of algae
Algaecides 70094
Alganium lamarcki SEE Alganium salviifolium
Alganium salviifolium 86981
Alger Institut des Vins de Consommation Courante 31624*
Algin SEE Alginic acid
Alginates 6504 13547 40224 71314 85138 21777* 74532*
bibliographies 2023
Alginic acid 16733 65222
Alhagi camelorum SEE Alhagi pseudalhagi

Item

Alhagi kirghisorum 87668*
Alhagi pseudalhagi 17794 73731 19704*
Aliesterase 4551 28795 81386
Alimentary system SEE Digestive system
Aliphatic compounds 1063 2992 74961
Alipur 1932* 25936* 60928* 78216* 78217*
Alisma 59372*
Alisma plantago-aquatica 87321
Alkali bee SEE Nomia melanderi
Alkali cellulose SEE Cellulose
Alkali color reaction 56813
Alkali soils 10040 16864 26443 52938 78325* 89888*
Arkansas 52657 52944
bibliographies 2025 2394 43938 44166 52488
California 52906
Hungary 35147* 52866* 70249* 89766*
India 10130 18217 26087 26301 35473 61913 70233
New Zealand 89046
Sudan 18562
Turkey 18514
Yugoslavia 89600 89547*
Alkaline reaction 22490 30948*
Alkalis 16574* 25176* 31399* 31537* 80974* 90348* 90453*
Alkaloids
Aconitum gigas 43027*
Amaryllidaceae 77785*
Ammocharis coranica 77785*
Areca cathecu 88146*
Atropa belladonna 34154 35283* 60118* 68737*
Bulnesia retamo 25193*
castorbeans 88250
Cestrum auriculatum 25193*
Chelidonium majus 62915*
Clausena lunulata 9320*
Claviceps 51567 43034*
Claviceps paspali 60089
Claviceps purpurea 16886 51513* 60317*
Clivia miniata 16893*
Conium maculatum 42955
Convallaria majalis 42196*
Crescentia 60285*
Crinum pratense 16948
Crotalaria 63130
Crotalaria spartioides 42942
Cynoglossum 60301
Cytisus filipes 77783*
Datura 16716* 16908*
Datura stramonium 9254*
determination 85116*
Dicranostigma lactucoides 25248*
Digitalis purpurea 62915*
Diplorrhynchus condylocarpon 25251*
drug plants 16887*
Evodia rutaecarpa 77806*
Funtumia africana 42973*
Heliotropium arborescens 25193*
Heliotropium indicum 34295
Leucojum vernum 43033*
Liriodendron tulipifera 77828*
Lobelia siphilitica 25256*
Lochnera rosea 34332 42971 69256 88238
Lunaria rediviva 88157*

Item

Alkaloids--Cont
lupine 34255 43046 68485 68963 69169 88200 8821* 25228* 68887* 69220* 88551*
Lycopodium phlegmaria 25239*
Macleaya cordata 88242*
Magnoliaceae 77828*
Malouetia bequaertiana 42973*
Menispermaceae 9276*
Michelia compressa 43051*
Nandina domestica 1397*
Nelumbium nelumbo 1396 60296
Papaver 69227*
Papaver orientale 1393
Papaver somniferum 1393
Peganum harmala 43018 42985*
Pennisetum 88097
Phellodendron amurense 9277* 77793*
plants 1368 1404 51557 52344 9243* 43002* 51044* 69251*
Pleiocarpa mutica 16928*
potatoes 16936
Rauwolfia nitida 16953
Rauwolfia serpentina 59955
Rivea corymbosa 51567
Rutaceae 9225
Senecio borysthenicus 88098*
Senecio erucifolius 88172*
Skytanthus acutus 69165*
Solanum 9238 16959* 34280* 69244*
Solanum aviculare 42978*
Solanum dulcamara 43012*
Strychnos 51528 60285*
Stylophorum diphyllum 25249*
Thalictrum actaefolium 60338*
Thelepogon elegans 60300
tobacco 25236 42812 51571 77790* 85116*
Vepris bilocularis 1341
Veratrum 54733* 60366*
Veratrum album 54864*
Vinca 34300*
Vinca herbacea 25233 34310*
Vinca minor 9229*
Wurmbaeoideae 51501*
Alkathene SEE Plastics
Alkmaar Proefstation voor de Groenteteelt in de volle Grond in Nederland 89112*
2-Alkyl-4,6-dinitrophenyl esters 50285
n-Alkyl guanidine acetates 86759
Alkylating agents 4518
2-n-Alkylmercapto-1,4,5,6-tetrahydropyrimidines 24312
S-Alkylsothiouronium salts 16842
Allacrotelsa 13100
Allagash National Recreation Area (proposed) 44895 44898
Allagoptera 24003
Allahabad Agricultural Institute 23832
Dept of Animal Husbandry 19681
Allantoic acid 88218*
Allantoin 88218*
Allantoinase 9296 25194*
Allantus 92532*
Allarrenurus n g 29325*
Allassogonoporus vespertilionis 21481
Allawrencius 38041
Alleles
insects 21243 29429 92475 37944*

Item

Alleles--Cont
plants 858 859 860 937 16458 16490 42384 42385 50911 87448 50853* 87461*
Allelopathy 42691*
Allen-Doisy test 80534* 81162*
Allergens 11290 13632 15655 32669 49958 55183 57390 76852 45967* 72859* 72870*
Allergies 62435 53940* 62452* 63161* 71717*
cattle 80336 45639* 54439*
dogs 28009 28019 45737 45796 80562
treatment 54532*
goats 81053*
guinea pigs 81446 28153*
laboratory animals 45859*
man 73160 27397*
sheep 91721*
swine 55140 12256* 28662* 63638*
SEE ALSO Allergens; and SUBHEAD allergenic UNDER Insects; Plants
Allethrin
physiological action 4735 55208 55209 37787* 92013*
stability 4359
synergism 4453 91963 81514* 92013*
Allgemeine Nahrungs- und Genussmittel-Ausstellung 13429*
Alliance for Progress 57801 65283 66344 66537 85684*
Alliaria SEE Sisymbrium
Allicin 22439
Alliin 14054 22439
Allium 8183* 58631* 86483*
anatomy and physiology 33637*
cytology 50660 42332* 68218*
varieties 34749*
Allium aflatunense 34726*
Allium akaka 87270*
Allium atroviolaceum 59443*
Allium bakeri 77801*
Allium cepa SEE Onions
Allium cernuum 33600
Allium fistulosum 24715 42333 33652* 33720*
Allium porrum SEE Leeks
Allium sativum SEE Garlic
Allium schoenoprasm SEE Chives
Allium tuberosum 69146*
Allium ursinum 1140 67350* 76955*
Allium vineale 33523 60004
Allocaeculus schusteri 82144*
Allococcus 21275
Allodape 55904
Allodemus n g 92419*
Allodia 82391
Alloeocysta n g 5222
Alloeonotus separandus 47016*
Allometopon (Calometopon) n sgen 46931*
Allometriocnemus n g 12874
Allometry 21476
Allomyces 8312 50817 68354 43036*
Allomyces javanicus 68283*
Allomyces macrogynus 87683
Allopauropus 21070*
Allopeplus n g 21159*
Alloperla 56029
Allophane 10019 61118 43971* 44092*
Allophanurus indicus 92560
Allothrombium lerouxi 64308
Allothrombium mitchelli 46781
Alluaudomyia 64460 5079* 55773*

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Item

Alluvial soils 70451*
Finland 18482*
France 52659*
Germany 44284*
India 2336 78344 78497
Poland 10139* 70237* 78535* 89614*
Taiwan 2458*
USSR 2050* 70587*
Allygus 38289*
Allyl alcohol 70036 18078* 89263*
Allyl halides SEE Propene, 3-halo derivatives
Allyltrimethylammonium bromide 1012 42882 16807* 77613*
Almanach Agricole de la Suisse Romande 76645*
Almanacs 23752*
Austria 79059*
Denmark 30476*
Germany 15501* 15502* 41151* 65906* 85892*
Hungary 7988*
Ireland 23754 23755
Italy 41135*
Latvia 58372*
Maryland 76657
Norway 30480* 41105* 41106*
Portugal 76646*
Spain 23708* 49771*
Sweden 30492* 32504* 41115*
Switzerland 8726* 41081* 47903* 53126* 76645*
Almanaque Agricola Ceres 23708*
Almond (tree) SEE Prunus amygdalus
Almonds 6612 84225 47069* 56972* 75573* 93536*
Alnus
anatomy and physiology 51142 77716 1115* 42770* 68801*
ecology 59336*
fungus diseases 41850
hybrids 76948
measurement 61795* 71040*
Ohio 2730
pests 29165*
Scotland 79318
soils 25792 35215 78410 10095*
varieties 25792
wood 71619*
yields 61795*
Alnus cordata 41374*
Alnus glutinosa 16510 10470*
age 53241*
anatomy and physiology 43997 71294*
biochemistry 60348*
breeding 26874*
ecology 16203*
flowering date 71294*
measurement 53241*
planting 10724 44822 79330*
pollen 79337*
wood 45164*
yields 71294*
Alnus incana
culture 26815*
ecology 68112*
improvement cutting 71124*
planting 44822
pollen 79337*
varieties 52036*
Alnus rubra 2665 35754 53530 53296* 90246*
Alnus rugosa 15804 64541*
Alnus serrulata SEE Alnus rugosa
Alnus viridis 50088

Item

Alodan 55528*
Aloe 34274 24028* 25217* 31641*
Aloe lisbonensis 24692*
Aloinopsis 86451*
Alomya 38360*
Alomyinae 29612
Alopecia 3705 12244 36816*
Alopecurus 15799*
Alopecurus aequalis 948* 24782*
Alopecurus armenus 15737*
Alopecurus arundinaceus 43265 15737*
Alopecurus myosuroides 60944* 89261*
Alopecurus pratensis 87825*
Alopecurus ventricosus 24498*
Alophia 47130*
Aloysia SEE Lippia
Alpha bitter acids of hops SEE Humulone
Alpha rays 24657*
Alphitobius diaperinus 73174
Alphitobius laevigatus 81845
Alpine fir SEE Abies lasiocarpa
Alpine plants
Africa 76909*
anatomy and physiology 87953*
culture 69822
Czechoslovakia 23917* 76888*
ecology 59303*
Germany 25716
Guatemala 33585
Italy 59345* 67385*
Mexico 33585
morphology 68356*
New Zealand 8176
Rocky Mountains 69897 86490
Alpinia calcarata 808
Alpinia sanderae 808
Alpinia vittata SEE Alpinia sanderae
Alsike clover 60587 43287* 60532* 78432*
Alsinoideae 77765*
Alsophila aescularia 20819
Alstonia scholaris 33588
Alstroemeria 69832
Alströmer J 67227*
Altai Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva 86276 76801* 76803*
Altai Plodovo-Yagodnaya Opytnaya Stantsiya 88853*
Altermetoponia rubriceps 55431
Alternanthera paronychioides 170
Alternanthera philoxeroides 29708*
Alternanthera pungens 41446
Alternanthera triandra 89116
Alternaria 16059 41553
anatomy and physiology 68751
apples 41793 67911*
Betula pendula 24203*
biochemistry 42949
Canna 502
India 41569
lupine 41761*
Solanaceae 476
squash 57086
taxonomy 41569
wheat 77147
Alternaria citri 41789
Alternaria cuscutacidae 9908* 78211*
Alternaria dianthi 67870
Alternaria longipes 50286 59087
Alternaria mali 59077

Item

Alternaria porri 8497* 24343* 41916* 67794*
Alternaria solani 8465 24318 41994 50306 50336
Alternaria tenuis 1219 33216 68748
Alternaria tomato 8859
Althaea officinalis 43848*
Althaea rosea 9159 68397*
Altica lythri ampelophaga 81795*
Alticidae SEE Chrysomelidae
Alticinae 55726 82314 21147*
Altitude
and cookery 7946
effects on animals 28360 72577 11674* 45619*
effects on insects 13060 73636* 73700* 73814* 92216* 92637*
effects on plants 24539 50587 60587 8682* 33457* 42821* 51179* 59385* 68148* 69133* 88070*
effects on soils 70375
effects on trees 2643 59260 42138* 68174* 87182* 87310*
Alumina SEE Aluminum oxide
Aluminum
building material 56311 21731*
effects on plants 34125 42665 51022 51205 87907*
in dairy industry 30613* 30659*
in plants 42988* 51535*
in soils 10047 17929 17958 18004 18022 18025 18028 18045 18052 35136 35173 52470 52493 61125 61154 79012 89480 2104* 2105* 17996* 26173* 52458* 52464* 70236* 70261* 78351* 78395*
in wine 39173*
in wood technology 36015
Aluminum diacetate 45779*
Aluminum foil 86364 30607*
Aluminum hydroxide 35166 63444 3150* 28504* 63324*
Aluminum oxide 40057 57562 93902*
Aluminum phosphate 52563
Aluminum sulfate 25158
Alums 11025
Alurnus quadrimaculatus 12849*
Alveonasus 55672*
Alvsborgs Läns Södra Hushallningssällskap 86099 86100*
Alysicarpus glumaceous 25435
Alysiinae 92549*
Alyssomyia n g 82382
Alyssum 86419*
Alzadaesthetus n g 12819
Alzadaesthetus chilensis 12819
Amanipodagrion n g 82897
Amanita phalloides 70093*
Amanita verna 70093*
Amara 4979* 38107*
Amara concinna 46825*
Amara infirma 21148*
Amara nitida 4988
Amaranthaceae 170 8242 41448 23948* 41448*
Amaranthus 25922
Amaranthus blitoides 32860*
Amaranthus hybridus 77522*
Amaryllidaceae 15738 43048 77785*
Amaryllis 34830
Amasis 92532*

Item

Amathes 82766*
Amathes glareosa 29685 29686
Amathes glareosa edda 29686
Amathes c-nigrum 92598*
Amathes phegea 21381*
Amaurobius 92333*
Amauronematus tunicatus 47096*
Amauronyx 82218*
Ambanja Station de Recherche Agronomique 88262*
Ambeodontus tristis 12663
Amber 63703
Ambler Superdraft spinning method 6470
Amblycera 21497*
Amblycorypha oblongifolia 29765
Amblydromella n g 4941
Amblydromus n g 4941
Amblygamasus septentrionalis 46788
Amblymora 92347*
Amblyomma 92041
Amblyomma albopictum 82127
Amblyomma americanum 81533
Amblyomma dissimili 46802
Amblyomma maculatum 12389
Amblyomma variegatum 81545 12782* 20381* 91999*
Amblyopone australis 82600
Amblypelta madangana 5215
Amblyscutus n g 4941
Amblyseiinae n sfam 4941
Amblyseiulella n g 4941
Amblyseiulus n g 4941 55663 55696
Amblyseius 4941 55663 64321*
Amblyseius peregrinus 73569
Amblystegium riparium 87521
Amblythyreus 47004*
Amblytylus 38300
Amblytylus longirostris 47059
Ambrosia 23938
pollen 15660 15681 32658 32669 69212
Ambrosia artemisifolia 52201 9886*
Ambrosia beetles 20909 64080
SEE ALSO Platypodidae
Ambrosia coronopifolia 58726*
Ambrosia pumila 22
Ambrosia trifida 22 52201 67487
Ambrostoma quadriimpressum 38149*
Ambrysus rotundus 73745
Ambrysus tridentata 82535
Amechedia n g 47130*
Amecocerus 82271
Amelanchier SEE Serviceberries
American Agricultural Marketing Association 6666
American Angus Association 62528
American Animal Hospital Association 71718
American Association of Cereal Chemists 22504
Particle Size Committee 22463
American Association of Land-grant Colleges and State Universities 7745 7800 94642
American basswood SEE Tilia americana
American beech SEE Fagus grandifolia
American Beekeeping Federation 64119
American Bryological Society 24056 24104
American Cacao Research Institute 25974 78249

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Item

American Camellia Yearbook 25689
American Christmas Tree Council 36098 79587
American cockroach SEE Periplaneta americana
American Cooperation 32259
American Cotton Congress 22166
American Cotton Shippers Association 56857
American Country Life Association 94711
American Cranberry Growers Association 17363
American Daffodil Society 34858
American Daffodil Yearbook 34703
American Dairy Association 6266 47900
American Dairy Science Association 3601 6179 39225 47881 74641
American Dehydrators Association 53767
American Dietetic Association 7929
American dog tick SEE Dermacentor variabilis
American elm SEE Ulmus americana
American Farm Bur Federation 14849 32551 94716 76444*
American Farm Economic Association 31652 75811
directories 22972
American Food Law Institute 13495
American Forest Products Industries 27085
American Forestry Association 2542
American foulbrood SEE Foulbrood, American
American Horticultural Congress 34574
American Horticultural Council 88819
American Horticultural Society 34574
American Institute of Cooperation 32259 32287 32334
American mangrove SEE Rhizophora mangle
American Meat Institute Foundation 6884
American Mosquito Control Association 4307 28823 81360 81448 81457
American National Cattlemen's Association 45706 93786
American Oil Chemists' Society 75505 93041
American Phytopathological Society 24111 50152 67666
Northeastern Div 309
Pacific Div 58815
Potomac Div 50153 67667
Southern Div 8320
American Pulp and Paper Mill Superintendents Association SEE Paper Industry Management Association
American Rose Annual 60740
American Seed Trade Association 84986
American Sheep Producers Council 12167 84070 84570 93829
American Society for Horticultural Science 34575 34587 78016
American Society for Testing Materials 10994
American Society of Agronomy 34342 34358

Item

American Society of Animal Production 11375
American Society of Brewing Chemists 39114
American Society of Photogrammetry 2608
American Society of Sugar Beet Technologists Eastern United States and Eastern Canada 1645
American Standard Orchid Judging System 25718
American Sugarcane League 55425
American Tomato Yearbook 30919
American Veterinary Medical Association 3016 11295 37374
American Wood-Preservers' Association 44967
Ameronothroidea n superfam 29283
Amersfoort Stichting "Pluva" 63359*
Ametalon 29606*
Ametastegia glabrata 46666 20805*
Ametor scabrosus 82331
Ametrodiplosis 38205* 47116*
Amherst College Mabel Loomis Todd Forest 2540
Amiben 25932 43821 52181 52304 52313 89257 61000* 61001*
Amidase 82070
Amide nitrogens 80421
Amides
effects on plants 87707*
in cattle nutrition 62685*
in food technology 31348*
in insect nutrition 64503*
in plants 24435 33841 42796 87990 88062 68762* 78627*
in sugars 57552*
in textile processing 30777 30889
Amido black 22456 13733* 13734* 83769* 83788*
Amido-methylol 56901
Amigos de la Tierra (El Salvador) 94581*
Amine oxidase 46023 80693*
Amines
chemistry 48752*
effects on insects 29343*
effects on plants 71136
herbicides 61872
in animal physiology 36690 91341*
in oilseed processing 57374
in plants 51560 48144*
in viruses 87031
Amino acid oxidases 16895 25229 51559
Amino acids 37025*
determination 39165 47870 93036 6445* 6640* 16954* 38908* 75392*
effects on plants 1059 1257 1372 16741 87542 88044*
in Agaricus hortensis 60331*
in algae 43041* 43042*
in animal nutrition 7936 27283 62294 71632 27279* 45178*
reviews 3039*
in animal physiology 62482*
in apricots 39657*
in Aspergillus niger 16517*
in Asphodelus fistulosus 84213
in bacteria 19540 22035 53998*
in barley 1330 48542*

Item

Amino acids--Cont
in beans 56960
in beef 75470*
in beer 39165
in blood 3880 20165 37338 72434 91358 3540* 45582* 81278*
in Calluna 88190
in casein 13742 83761
in cheese 22015 39258
in collagen 48610
in corn 25227* 68626*
in cotton 68762*
in dog physiology 63077
in fats and oils 75552*
in feed 20165 39440 62280 6445* 93448*
in fibers 65623
in fish 3049*
in flour 48502*
in food 32471* 38908*
in forage plants 16796
in fruit juices 48322 6640*
in fungi 1100 8863 1176* 43041* 43042* 59073*
in garlic 14054
in goat physiology 28476*
in grain 31133 1288* 84519*
in grapes 59750* 67990* 87778*
in hops 25223
in human nutrition 7936 32455 32470 41043 71632 76604
in insect nutrition 7936 29348 81425 64503* 82063*
in insect physiology 4523 29530 38328 38551 46842 82027 12679* 21274* 38310* 47210* 73724* 82025* 82026* 82042*
in kok-saghyz 88154*
in lupine 68963 69220*
in meat 48616 74391 48641* 54399* 75392* 84631* 84634*
in meat products 6900*
in melons 50421*
in milk 74391 83763
in muskmelons 24365*
in Nicotiana 60279*
in oilseeds 40064
in peaches 39657*
in peas 24808*
in plants 962 1082 8427 8531 16101 16780 24435 25118 33879 34271 42779 42796 51346 51427 51450 59842 60140 60333 69213 69238 74391 77578 77817 87946 88062 8919* 16910* 16954* 24781* 33939* 34292* 42715* 42998* 51300* 51555* 59353* 59888* 59975* 60316* 69233* 69266* 78627* 87635*
in plums 39657*
in pollen 1323
in potatoes 48443 24399* 33342* 33986* 77214*
in poultry nutrition 11880 11907 20142 20144 20161 20174 20265 28187 28194 28206 36996 37000 45912 45935 45989 63253 72496 72526 80763 91446*
reviews 45932
in poultry physiology 20266 80861*

Item

Amino acids--Cont
in proteins 83345 84846 23700* 48542* 56878* 74994* 75343*
in protozoa 80315
in rice 60052 24937* 34291*
in rice bran 14228
in ruminant nutrition 36199
in ruminant physiology 79835 71822*
in sausages 57242*
in seeds 16918 31532 51519
in semen 71920
in sheep physiology 4118
in silk protein 37932* 37941*
in soils 2152 35133 70392 35197* 43973*
reviews 52486
in Sophora japonica 60367* 65352*
in sorghum 39797
in soybean meal 84796*
in soybeans 31404 48819*
in sugars 85000 57552*
in sunflowers 34291* 68542*
in swine nutrition 4196 37327 55020 91801*
in Tilia 60367* 65352*
in tobacco 7307 33833* 87859* 88208*
in tomatoes 87990
in turkey nutrition 28207 37001 45903 45909
in vanilla 47870
in vegetables 39635 88149*
in viruses 50512 87033 16111* 42040*
in wheat 16699* 57167* 60211* 88223*
in wine 13660*
in wort 39165
in yeasts 65575* 75806*
Amino amides 30840
Amino compounds 35137*
3-Amino-1,2,4-triazole SEE Amitrol
p-Aminobenzoic acid 74918
2-Aminobutane SEE Butylamine
alpha-Aminobutyric acid 33870 4226*
gamma-Aminobutyric acid 4852 16573 16866 25092*
2-Aminoethanethiol 64711 45860*
Aminoethanol 28294 80824*
3-(2-Aminoethyl)-5-indolol 11990 46023 60108* 87836*
Aminoff F 41166*
gamma-Aminohexanedioic acid 51495
Aminophylline 91859
beta-Aminopropionitrile 3950
Aminoxidine 28226* 91462*
Amish 23437
Amitermitinae 21503 82902
Amitrol 34996 35000 43705 43843 51477 70077 89371 52250*
analysis and composition 34987
determination 24916 75118
effects on plants 9048 16596 16638 42632 42919 68646
effects on seeds 51101
residual effectiveness 35043
residues 22403 25900 75118
Amizol SEE Amitrol
Ammania 50012
Ammate SEE Ammonium sulfamate
Ammobates 82583*

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Item

Ammocharis coranica 77785*
Ammodonus 46855*
Ammonia
chemistry 85042 93556*
effects on plants 42925 50998* 50999* 70290*
fertilizers 26628 26637 26646 44503 47373 79619 78621 78637 78998 79016 2516* 10058* 10178* 10211* 10513* 18326* 44223* 56147* 61330* 70550* 70889* 83075* 87509* 89951*
in animal physiology 62301
in cattle physiology 54140* 91039*
in feed 56833 72065*
in feed processing 11210* 36514* 53809*
in goat physiology 20380*
in insect physiology 82234*
in meat 6893 65998*
in plants 34282 77480 34291*
in sheep physiology 4125 91039* 91655*
in soils 17950 35176 61180 70879 43940* 43959* 70290* 78343*
in swine physiology 91789*
SEE ALSO Anhydrous ammonia
Ammonia liquor 27266* 27299* 56148* 71707* 79733* 89703* 90509*
Ammonia nitrogen 70243 70315 72871
Ammoniates 18326*
Ammonification 10513*
Ammonium
effects on fungi 33976
effects on plants 51140 33884* 87581* 87924*
bibliographies 42538
fertilizers 89787 35618*
fixation 17947 18025 43962 52509 52579 2167* 10048* 43956* 43965* 74926*
in composts 70927*
in plants 51107
in pulp and paper manufacture 49547 2909*
in soils 35215 10048* 17955* 18029* 26085* 44276* 52469*
Ammonium acetate 17933 35161
Ammonium bicarbonate 18374* 45500* 80126* 80194*
Ammonium carbonate 2520*
Ammonium chloride 72524 2346* 71644*
bibliographies 2507
Ammonium-copper pentachlorophenate 53573*
Ammonium fluoride 35136
Ammonium fluosilicate 2841* 2842* 2857* 2858*
Ammonium hydroxide 53637
Ammonium nitrate 2528 52619 61661 92282 2275* 10091* 70892* 89637*
Ammonium nitrate-limestone 70549 89667
Ammonium oxalate 65518 10164*
Ammonium phosphate 35358 61642 61649 78977 78998
Ammonium salts 33879 61121 70246 91668* 91669*
Ammonium sulfamate 27133
Ammonium sulfate 33206*
effects on plants 51211 25135*

Item

Ammonium sulfate--Cont
fertilizers 17949 70344 43936*
coconuts 26293
cotton 26205
Hevea 18316*
pearlmillet 26303
pineapples 78703
potatoes 78555*
rice 2292 44137 61410 44245*
statistics 35593
sugarcane 2346*
sunflowers 26335*
tea 78594
wheat 35399 78713 87966 44263*
in distilling 21954
in feed 90944* 90945*
in semen dilution 12181*
in silage 28439* 54199*
Ammonium sulfate-nitrate 26639 53078*
Ammonium sulfide 2934
Ammophila 5139
Ammophila (Apycnemia) n sgen 29604*
Ammophila arenaria (plant) 33499 78943
Ammophila breviligulata (plant) 10465*
Ammophila fallax group 29604*
Ammophila gibba 82577
Ammophila mitlaensis 82577*
Ammosphex 82602
Ammotrechula 82177
AMO-1618 987 42620 68896
Amobaeus 64368*
Amoebidium parasiticum 244 60250
Amoora rohituka oil 57379
Amorpha fruticosa 82680 77829*
Amorpha populi 5465*
Amorphonostoc punctiforme 77370* 87622*
Amorphophallus campanulatus 8505
Amorphophallus titanum 9081*
AMP SEE 5-Adenylic acid
Ampelidaceae SEE Vitaceae
Ampelodesma mauritanicus 71678*
Ampelodesma tenax SEE Ampelodesma mauritanicus
Ampelophaga 73277*
Ampera 12925
Amperometry 21941* 61145*
Amphenone 45977
Amphibians 12404
Amphimallon 64334*
Amphimallon assimilis 4365*
Amphimallon glabricollis 55740*
Amphimallon majalis 4445 5022
Amphipsyche 92662
Amphipterygium adstringens 88144
Amphiscolops n g 82382
Amphistomiasis SEE Intestinal flukes
Amphora 15830* 32927*
Amphorophora 82563
Amphorophora minima 21290
Amphorophora rubi 37710 46528* 55476*
Ampoulitermes n g 47253
Amprolium 36995 46021 56816 72477 72643
Ampulicidae 47127
Amputation 11707* 19793*
Amsacta albistriga 73732
Amselina 64622
Amsinckia intermedia 52305
Amsterdam Instituut voor de Tropen 23751* 32591*

Item

Amur corktree SEE Phellodendron amurense
Amyema congener 9235
Amygdalus 15813*
Amygdalus communis SEE Prunus amygdalus
Amyl alcohol 13723* 22018*
Amylase
effects on starches 38904
in blood 36824 27689*
in grain 57184 65912 75293* 75352*
in insects 4974 29441 38329 29263*
in plants 16632 51016 33972* 42979* 69247* 77434*
in soils 2156*
in swine physiology 72991
manufacture 13545
alpha-Amylase 39847 93049
determination 22471
in flour 65855* 65912*
in grain 22466 22471
in malt 13618
beta-Amylase 84212 31212*
Amylograph 39861
Amyloidosis 3949
Amylopectin 56339* 75341*
Amylose 31359
chemistry 56339* 65881*
in corn 48498 93681
in starches 39862 66291 22529* 84195*
Amyosoma zeuzerae 55885
Amyot C J B Entomologie Francaise Rhynchotes 64522 21309*
beta-Amyrin 88104 51558*
Amyrsidea minuta 5600
Anabaena 214 231 24068
Anabaena azollae 34160
Anabaena cylindrica 69187
Anabaena disikacharyensis 24067
Anabaena variabilis 77370* 87622*
Anabasis aphylla 42666*
Anabolia nervosa 5651
Anabrus simplex 92073
Anacampsis blattariella 5514
Anacampsis populella 5514
Anacanthiocnemis 47053*
Anacardiaceae 67411 86423 42999*
Anacardium occidentale
anatomy and physiology 50930
Angola 8241*
culture 34695* 88975*
fungus diseases 50351
Kenya 78094*
morphology 68234
pest control 81791 92148
propagation 1745 43457*
seeds 50930
Somali Republic 78094*
Anacassis sulcipennis 29331*
Anacharis canadensis 16279 82910 34215* 42514*
Anachipteria 12756*
Anaclyptus subfasciatus 55578*
Anacridium aegyptium 82810 46944*
Anacroneuria 64728
Anacystis nidulans 9019* 25075*
Anadastus 21155* 82342*
Anadevidia n g 64648 92597
Anadrymadusa n g 21457
Anaea 82690
Anagallis arvensis 8900
Anagallis arvensis phoenicea 50977*
Anagasta kuhniella 4433 38499 64545 73817 73845 81841 5469* 21438* 29576* 29661* 38495* 55511* 64669* 73716* 82737*

Item

Anaglyptus SEE Anaclyptus
Anagrella n g 82579
Anagrella mymaricorne 82579
Anagrus girault 82519
Anagyrus antoninae 5319
Anal fistula 36812*
Anal gland 45763 28404*
Analeptes trifasciata 20907 29147 82228
Analeptics 90687*
Analgesoidea 38013*
Anandra 92347*
Anaphothrips 56013 13076*
Anaphylactic shock 20106 63198 80562 3324*
Anaphylaxis 14481 80695 90763 81263*
Anaplasma marginale 3451 3468 3563 54410 62722 62888 63801 72227 80210 80358
reviews 91093
Anaplasmosis 3468 3550 19862 19899 62722 62888 80255 80456 91125 11585* 36577* 62819* 62824* 91065*
causes 80210
Congo 11621*
diagnosis 27866*
immunization 80337
research 91074
sheep 37230*
Tennessee 27796
transmission 37576 27866* 28853* 63801*
treatment 62861 11587* 37230*
USSR 3454*
wildlife 11585*
Anaptychia intricata 87162*
Anaptychiae 50148
Anarete 5076
Anarsia 21366
Anarsia lineatella 5538 13025 73312 92187
Anaspis 92355*
Anastathes 92350*
Anastatus disparis 46658*
Anastoechus 82415
Anastomosis 28486 72847 11995*
Anastrepha 29414*
Anastrepha ludens 4705
Anastrepha mombinpraeoptans 29096*
Anastrophyllum 32895
Anatis ocellata 21115* 55569*
Anatoecus icterodes emersonianus 56032
Anatrichus 46957
Anatomy
dictionaries 23722
Anatopynia 12874
Anatralata n g 29702
Anauxesida 46815*
Anax imperator 73897
Ancistrocerus 29585* 29616*
Ancistrocerus parietinus 5269
Ancistrocerus tigris tigris 5286
Ancistrocerus tuberculocephalus sutterianus 82628
Ancylia SEE Cicindela (Ancylia)
Ancylonotopsis 82224*
Ancylosis 47130*
Ancylostoma caninum 20012
Ancylostomiasis SEE Hookworms
Ancyrophorus 55761
Andersen A A 72717
Andersen J 32533* 41154*
Anderson M L 15573
Anderson's metroglyph method 8754
Andes 55855
Andosol 18157
Andrena 21319*

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Item

Andrena (Onagrandrena) 55892
Andrevella n g 4955
Andrewsianthus n g 32895
Andricus kollari 38377*
Andricus marginalis 47078*
Andricus quadrilineatus 47078*
Andricus quercus-calicis 38373
Androcymbium gramineum 42482*
Androeuryops 46955
Androgens 19516 36646 72456 11846* 27415*
Andrographis echioides 50779
Andromedoideae 59610*
Andropogon 43252* 68873*
Andropogon gayanus 60519
Andropogon gerardi 2424 25465 77356
Andropogon halli 24717 24741 25465
Andropogon scoparius 710
Andropogon sorghum SEE Sorghum
Andropogon tener 25431
Andropogoneae 24012
Aneflomorpha 82236
Aneilema 32742
Anelaphus 82236
Anemia
  cats 80526 80559
  cattle 3550 80255 54307* 62834* 80278* 80353*
  causes 27427*
  dogs 63015 20019*
  horses 20083 72422*
  minks 36862 20054* 28077*
  swine 12282* 81262*
    control 37375*
    prevention 20477 28664 91876 12265* 55057* 55130* 91818* 91910*
    treatment 4280 28706* 46248* 55099* 63644* 81319* 91855*
  SEE ALSO Aplastic anemia; Equine infectious anemia
Anemia (plant) 8740 86525
Anemmalocera n g 47130*
Anemone 40226
  anatomy and physiology 42335*
  breeding 88999*
  control 35006
  culture 25742 34755 43485*
  genetics 16491*
  planting 34764
  varieties 88999*
Anemone coronaria 25702
Anemone multiceps 15734*
Anemone nemorosa 1140 58611*
Anepsium 82207*
Anerastiinae 13002*
Anergates atratulus 5314*
Anesthesia 3211 19515 71730 90728 3212* 36295* 45279* 71735* 90616* 90639* 90764* 91346*
  cats 3660 3700 28060 54525 54528 63002 63020 27963* 54541* 63005* 91186* 91233* 91245* 91247*
  cattle 3478 36442 72252 80362* 80371* 90857*
  coypus 80592
  dogs 3660 3700 28014 28018 45744 45762 54525 54528 54573 72350 91234 27963* 45775* 54569* 63005* 72299* 72328* 72414* 91186* 91225* 91233* 91245* 91257* 91269*

Item

Anesthesia--Cont
  dogs--cont
    reviews 36785
  ducks 80828*
  elephants 27381
  ferrets 80691
  guinea pigs 63191 20111* 54672* 80694*
  horses 3782 11828 28110 45828 80659 28123* 36892* 36903* 72414*
  insects 5332 12898 5245*
  laboratory animals 3800
  mice 28145*
  poultry 80828* 91560*
  rabbits 20424*
  rats 80692*
  reviews 79808*
  ruminants 62340
  sheep 72847 81065 20424*
  swine 4291 20496 54043 28663* 28711* 46271* 55120* 72980* 91903*
  SEE ALSO Sedation; and names of anesthetics
Anethum graveolens 59951 73302 25960* 78136*
Aneuploidy SEE Polyploidy
Aneurin SEE Thiamine
Aneurolepidium ramosum 42100*
Aneurus avenius 38331
Aneurysms 46038 3560* 80248*
Anevrina 82360
Angarotipula SEE Tipula (Angarotipula)
Angelica 67465
Angelica decurrens 33615* 75525* 75575*
Angelica decurrens oil 22670*
Angelica keiskei 16325*
Angelica sylvestris 88122*
Angelica tatianae 23965*
Angiopteris evecta 69861*
Angiospermae 23984 49905 50034
  anatomy and physiology 8714 25258 50022 77379 33586* 42887*
  biochemistry 25258 69261*
  cytology 77383 33729* 59554*
  India 128 58659
  Mexico 77383
  morphology 825 8707 49918 50671 50672 50685 50689 50793 59570 59482* 59503* 59645* 68211* 68375* 87244*
    study and teaching 24575
  pollen 50772 69234* 69261*
  pollination 16870
  seeds 68375*
  Southern States 77383
  taxonomy 50022 67406* 67456* 86475*
  wood 53736 62171*
Angiostrongylus vasorum 45757*
Angola Junta de Exportacao do Cafe 92155*
Angoladyenmonus SEE Dyenmonus (Angoladyenmonus)
Angophora subvelutina 11110
Angora rabbit wool 74953 75019
Angoumois grain moth SEE Sitotroga cerealella
Anguillospora 32970
Anguillospora crassa 33024
Anguillulina tritici 8490
Anguina millefolii 16174*
Anguina tritici 77289*

Item

Angular leafspot
  cotton 24388 41949 67954 67956 67962 67963 67966 67979 41935* 41953*
  strawberries 50448 67967 67968
  tung trees 67941
Anhelita 46910*
Anhidrosis 11832
Anhydrous ammonia 70240
  application 21641 64847 78629 78721 61646* 92785*
  equipment 38674 38676 38677*
  effects on plants 86626
  fertilizers 10307 44180 44533 52579 61060 61345 78556 78618 78695 78991 26307* 26333* 44162* 61646*
  corn 35334
  cotton 35426
  Pinus sylvestris 71168*
  wheat 35399
Aniba duckei 9303*
Anigrus 46996*
Anilastus ebeninus SEE Hyposoter ebeninus
Aniline 57401* 84858*
Aniline black 39512*
Animal Diseases Research Association 19434
Animal fats SEE Fats and oils
Animal Health Trust Research Station (Stock Essex) 90680
Animal industry SEE Livestock
Animal protein factor 55029* 81202*
Animals
  domestication 20995 54069 54484 80499 53745* 53989* 54076* 54289* 54602* 54834* 54981* 58118*
    conferences and congresses 54059*
  ecology 45382
  genetics 3012
  habits and behavior 37956 92300*
  parasites 8389*
  SEE ALSO Fur-bearing animals; Livestock; Ruminants; Wildlife; and names of animals, anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Aningeria 32774
Anions SEE Ions
Anisandrus dispar SEE Xyleborus dispar
Anisocentropus 64731
Anisoctenion clauseni 92552
Anisolabis maritima 5634
Anisomonas 229
Anisomycin 16848
Anisopinae 55856
Anisoplia 46866* 46891* 91994* 92080*
Anisoplia austriaca 4365* 12470*
Anisops 5237 12928 64496
Anisota senatoria 13006
Anisotarsus cupripennis 5026*
Anisotome 23954
Anisotrophy 71595
Anisozygoptera 38590
Ankara Universitesi Veteriner Fakultesi 11241*
Annatto 93045
Annellophora 58775
Annellophorella n g 77021
Annona 41317*

Item

Annona coriacea 87245*
Annona muricata SEE Soursop
Annona squamosa SEE Custard apple
Annonaceae 805 15755 25982
Annuaire International Fructidor 39587*
Annuaire Sucrier 7240*
Annual Review of Entomology 37431
Annual Review of Food Technology 65198
Annual Review of Microbiology 23710
Annual Review of Physiology 45239
Annual Review of Plant Physiology 77739
Anobiidae
  anatomy and physiology 29350
  Chile 46831*
  Europe 55562*
  habits and behavior 12804*
  Ohio 73655 82343
  parasites 21134*
  rearing and breeding 38124
  taxonomy 46907 64394
Anobium 55562* 73608*
Anobium punctatum 12624 29164 29135* 55557*
Anoecia corni 29572* 47061*
Anoetidae 92338* 92339*
Anoetoglyphus 92338*
Anoetus 92338*
Anoetus myrmicarum 29318*
Anogeissus latifolia 10943
Anogeissus schimperi 36085
Anogmus hohenheimensis 46649*
Anogramma 76988
Anomala 55758*
Anomala corpulenta 37721*
Anomala costata 37834*
Anomala solida 4440*
Anommatus duodecimstriatus 82243
Anomocrambus n g 5351
Anomoeoneis 32932
Anona SEE Annona
Anonymos 50095
Anopheles 82453
  anatomy and physiology 55837 64475 82483 28857* 38285* 55224* 55242* 55842* 63814* 82473*
  and disease 4553 20666 81446
    Africa 81612 37570*
    Brazil 37511* 37578* 55276* 81492*
    Congo 37543*
    desert areas 63860
    East Africa 20623
    India 55332 55344 92024
    Italy 4477*
    Mali 73152*
    New Guinea 63865
    Nigeria 81539
    Rhodesia and Nyasaland 4524
    Rwanda-Burundi 37543*
    USSR 73727*
    Upper Volta 55247*
    Vietnam 55304*
    Western Pacific area 55267
  China 38274* 38275*
  Congo 21251* 38276*
  control 63825 73151 55242* 73152* 82450*
  Brazil 20684* 37462* 37578* 37582* 37585* 55270*
  India 4546 52238
  Indonesia 55348
  Italy 4477*

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Item

Anopheles--Cont
control--cont
New Guinea 63865
Sardinia 36782*
Spain 81568*
tests 4407 55348 73139 20636*
Upper Volta 28857* 55247*
Western Pacific area 55267
cytology 5205 46339 38282*
ecology 73727*
Ethiopia 55364
genetics 4339 4426 37461*
geographic distribution 37511*
habits and behavior 4578 38254 46981 73139 81539 29492* 55224* 82473*
identification 55364 82481
insecticide resistance 4339 4340 4410 4426 4430 12345 28753 46339 55219 63799 81398 81410 37490* 37581* 55224* 73112*
Iraq 38254 38279
larvae 29500 82481 73112* 82467*
Malaya 92484
Neotropical Region 82463*
Nigeria 82482
Oriental Region 92484
Pakistan 46981
rearing and breeding 55831 38258*
taxonomy 5205 38282*
Vietnam 37566*
Yugoslavia 1542 81542
Anopheles albimanus 4426 4430 5209 28849 28850 46339 29492* 55242*
Anopheles albitarsis 37581*
Anopheles annulipes 4018
Anopheles (Anopheles) 46982
Anopheles apoci 4407 38279
Anopheles aquasalis 37490* 37584* 37586*
Anopheles atroparvus SEE Anopheles labranchiae atroparvus
Anopheles barbirostris group 92484
Anopheles bellator 37581* 55276*
Anopheles bifurcatus 55841*
Anopheles brunnipes 92026*
Anopheles caroni 21251*
Anopheles claviger group 82485*
Anopheles coustani 12910*
Anopheles cruzii 37582* 37583* 55276*
Anopheles culicifacies 4410 4546 12345 38279 55331 55332 55344 81410
Anopheles darlingi 20684* 55270*
Anopheles d'thali 82467*
Anopheles earlei 5199
Anopheles fluviatilis 55331 55332 55344
Anopheles freeborni 55269 55835 63861
Anopheles funestus 20623 73144 81539 81612 12910* 63814* 64472* 82465*
Anopheles gambiae anatomy and physiology 12910* 63814*

Item

Anopheles gambiae--Cont
and disease 4487 20635 73144 81462 81465 92055
control 81510 81583 81584 73152*
habits and behavior 81539 81584 81612
insecticide resistance 20575*
parasites 4466 4492
rearing and breeding 5179
Anopheles hamoni 82450*
Anopheles hyrcanus group 20666
Anopheles hyrcanus sinensis 38261* 38262* 38285*
Anopheles (Kerteszia) 55276*
Anopheles labranchiae 28824* 38258* 55224*
Anopheles labranchiae atroparvus 4578 55837 81363 81472 4408* 20636* 37461* 73112* 82473*
Anopheles maculipennis 4578 55290*
Anopheles maculipennis atroparvus SEE Anopheles labranchiae atroparvus
Anopheles maculipennis group 81542
Anopheles maculipennis messeae 4578
Anopheles minimus flavirostris 82492
Anopheles moucheti bervoetsi 38268*
Anopheles multicolor 38279
Anopheles neivai 81492*
Anopheles nigerrimus 20666
Anopheles nili 12910*
Anopheles (Nyssorhynchus) 5205 38282
Anopheles paludis 92026*
Anopheles plumbeus 55842*
Anopheles pulcherrimus 63839*
Anopheles punctimacula 55242*
Anopheles punctulatus group 55317 64475
Anopheles quadrimaculatus anatomy and physiology 63874 82478
control 4528 4531 28845 81603
parasites 5185 63874
Anopheles sacharovi 38254 81542
Anopheles sinensis 38277*
Anopheles stephensi 28753 81510 81511 81512 20636* 82473*
Anopheles superpictus 38254 73727*
Anopheles walkeri 5199
Anophelini SEE Anopheles
Anopina n g 82762
Anoplius 82602
Anoplocephalata 37282* 64318*
Anoplonyx destructor 73779
Anoplonyx luteipes 5280
Anoplura
Africa 64729
anatomy and physiology 21501 92661*
Arizona 37587
collecting and preserving 5638 64733*
Congo 20615* 73891* 73893*
Delaware 4574
Europe 29811*
Indiana 37609
Malagasy Republic 29806*
Manitoulin Island 81574
nymphs 5636
phylogeny 92661*
Southeast Asia 92659

Item

Anoplura--Cont
taxonomy 5650 82880 29808* 73892* 73893*
types 73902
Anosiphus 82602
Anospilus 47092*
Anot 11931
Anoxia 59431*
Anoxia villosa 63942*
Antamenes 82599*
Antanambeus 21314*
Antarchaea 73858
Antarctozetes n n 29283
Antennae 5150 5236 29227 46691 55837 73903 29378* 55606* 55991* 82784* 92671*
Antennaria 16199
Antennastathes SEE Parastathes (Antennastathes)
Antennoseius 82191
Antestiopsis lineaticollis 63990*
Antestiopsis lineaticollis intricata 81755*
Anthaxia 29332*
Anthaxia salicis 64392*
Anthelmintics 11225 11606 27377 28051 54928 72884 80699 81068 90693 91699 80758*
effects on cattle 36578*
effects on dogs 20013
effects on man 81467
effects on rats 81467
effects on ruminants 62461
effects on sheep 46158
effects on swine 81300*
reviews 3079
SEE ALSO names of anthelmintics
Anthemideae 88117* 88118* 88212*
Anthemis 17744 8183* 32724* 40217* 69197* 78247*
Anthemis arvensis 68302*
Anthemis cotula 60951
Antheraea assama 5494 46727
Antheraea mylitta 20995 46727
Antheraea pernyi anatomy and physiology 37933 12716* 29225* 55625* 64206* 82039* 92294*
cocoons 4854*
cytology 12719*
development 29231*
diseases 20981
larvae 12716* 29225* 29231* 82063* 92294*
pupae 12723*
Antheraea yamamai 82704*
Anthericum 67486
Antherophagus silaceus 29328
Anthicidae 5047 92417 21090* 73630*
Anthiomaline 46417
Anthobium 5032*
Anthoceros 42256 77385
Anthoceros laevis 782 77408
Anthocharis cardamines 5344 5388 5394 5476
Anthocoridae 12932 82570*
Anthocoris 73728– 73730
Anthocoris melanocerus 12932
Anthocyanase 22337
Anthocyanidins 77758
Anthocyanins
in apples 1358*
in berries 93635*
in cherries 30958
in currants 65701
in fruit 39201* 93635*

Item

Anthocyanins--Cont
in grapes 88221*
in plants 8812 16425 25189 34248 34273 41901 42436 42976 50901 50931 51220 51562 69192 77787 16585* 16890* 42946* 77727* 77765*
in vegetables 22337
in wine 39201*
Anthocyanogens 39179 93714
Anthomyia pluvialis 55805*
Anthomyiidae 21241 55377 5077* 82437*
Anthonomus cinctus 12828 29061*
Anthonomus eugenii 81647
Anthonomus grandis 4425
anatomy and physiology 12821 29377 29382 55760
control 4640 20732 29046 55424 92072
tests 4600 4616 12459 28999 55392
cytology 4982
eggs 12484 12851
food and host plants 46861
insecticide resistance 4425
nutrition 12851 29402
populations 12522
Anthonomus pomorum 92158 46883* 55519*
Anthonomus pyri 46883*
Anthophora 55899* 82583*
Anthophoridae 5325 5329 38414
Anthoptus epictetus 82662*
Anthoxanthum alpinum 41444
Anthoxanthum odoratum 24559 59234
Anthracnose
coffee 41843*
cotton 41953*
cucumbers 33155*
Curcurbitaceae 15965
flax 67798*
grapes 24208 86749
Juglans 15975
lima beans 58949
lupine 1568
melons 50421* 59072*
muskmelons 24365*
peas 48879*
tomatoes 16033
Anthracophyllum 41542
Anthracosiphon galii 64506*
Anthralin 91261*
Anthranilic acid 78437 50969*
Anthraquinones 20910
Anthrax 62410 27471* 45356* 79785*
cattle 54411* 54919* 62806* 90959*
causes 27327*
control 90580 22605*
diagnosis 90752
eradication 11347*
fur-bearing animals 72373*
goats 20398*
guinea pigs 28146* 28154* 36944* 72760*
history 53978*
immunization 11242*
laboratory animals 20109*
mice 91350*
prevention 22122*
rabbits 54866 72760*
reindeer 36281*
resistance 36944*
sheep 54919* 62806* 91701*
transmission 90752 6406*

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Item

Anthrax--Cont
vaccines 54024 20398* 36281* 36297* 54411* 62396* 62806* 72760* 79804* 90569*
Anthrenus flavipes 81849
Anthrenus verbasci 4978
Anthrenus vorax 46630*
Anthribidae 5044 38133 46910*
Anthrone 27720
Anthurium 77401
Anthurium scherzerianum 50403*
Anthyllis 41370
Antiaris africana 20909 77832*
Antiaris toxicaria 77832* 77833*
Antibiotics 15913*
bibliographies 23764
conferences and congresses 32485
determination 65425 74936 6230* 16927* 74915* 93324*
effects on animals 11197 19405 53802 62297 62302 62351 71688 79861 3136* 6964* 11198* 19375* 19386* 19395* 19475* 27248* 27264* 45202* 53775* 62295* 62296* 65158* 71662* 71664* 79729* 90552* 90562* 90699* 90719*
reviews 19425 53842
effects on bacteria 3190 3293 3535 6387 27336 44048 53862 54306 70348 91081 11340* 19430* 26106* 37096* 53965* 54387* 54432* 62852* 71857* 79806*
effects on cattle 11692 3347* 45478* 62650* 91101*
effects on dogs 20042
effects on eggs 20291 45997
effects on fungi 16048
effects on insects 21363 29638 47211* 56009* 92289*
effects on microorganisms 13548* 52606* 90572* 91101*
effects on plant disease 524 526 16011 16064 32494 33337 41951 50213 50219 50346 67856 67940 86808 441* 442* 15913* 24383* 41625* 41814* 41885* 41937* 41966* 67745* 67989* 86665*
effects on plants 16661 16847 16849 25087 32680 33337 34179 42531 77588 77746 34018* 42877*
reviews 53842
effects on poultry 3872 11931 36990 45906 53802 54737 54766 72544 72581 72604 72620 80753 81180 91412 91451 28198* 28204* 28220* 28226* 45944* 46017* 54824* 71662* 91417* 91425* 91522*
effects on seeds 41592
effects on sheep 46111 54893 72868* 81100*
effects on soils 70365*

Item

Antibiotics--Cont
effects on swine 12227 20467 46185 55026 55072 63555 72966 81174 81180 12196* 12230* 20457* 28566* 63576* 63591* 81223* 81229* 91795* 91908*
reviews 81232*
effects on turkeys 20306 28207
hazards and safeguards 22069*
helminth sources 45271 62447*
in dairy products 30604 56632 65425 83728
in feed 11197 11206 11921 20516 27232 32494 37049 74936 80733 91456 28623* 36521* 45195* 71680* 74915* 83962* 90562* 92289*
in feed processing 55027
in fish processing 31638 57608*
in food processing 32494 39043* 74528* 93161*
in foods 65158*
in honey 29184 31218* 37862*
in meat 31237*
in meat processing 57307* 84741*
in milk 3555 6303 22106 30604 39328 39407 47991 47997 48000 83846 90747 19796* 22069* 27892* 30579* 31237* 38978* 45612* 62922* 83791* 93324* 93384*
reviews 62936
in milk processing 93433* 93434*
in silage preservation 55006 55014
in soils 2141 10057 10066 52623 70393 78447 89551 44017* 44027* 70338*
insect sources 28903 38509 46700 73878
manufacture 36620*
plant sources 4 56 613 8152 8160 15647 25225 27287 27686 32622 32690 34281 41532 41939 44042 49955 50292 50842 50896 67335 2161* 6234* 7031* 11322* 15671* 16670* 16927* 41290* 41294* 49937* 58522* 67316* 67318* 67321* 67346* 67348* 67350* 67359* 67375* 67861* 67989* 68699* 68753* 68891* 69269* 77205* 86307* 86332* 86363* 86378* 86953* 86958* 88132* 93871*
bibliographies 10
residues 3555 6303 65425 83466 83846 93394 6310* 6964* 19500* 19796* 30235* 36620* 45195* 45612* 48851* 65158* 83842* 90552*
reviews 62936
therapeutic use 3102 27353 3152* 11344* 11367* 19500* 27403* 36274* 45195* 45302* 53950* 62370* 90605* 90698* 90701*

Item

Antibiotics--Cont
therapeutic use--cont
bees 64199* 81967*
cattle 3555 36740 91136 36446* 36563* 62871* 62882* 62922* 72201* 90989* 91130* 91847*
dogs 20016* 63062*
horses 54653*
poultry 3891 28256 37054 72664 20213* 46049*
quail 46019
reindeer 90674*
sheep 37208*
swine 37397*
viability 64199*
SEE ALSO names of antibiotics
Antibodies SEE Antigens and antibodies
Antichaeta 12872
Anticholinesterases SEE Cholinesterase, inhibitors
Anticlea SEE Zigadenus
Antiemetics 91251*
Antiformin 54384
Antigens and antibodies 4290 11244 11278 14481 19368 27208 36224 36309 36338 36356 53836 53856 53974 54458 62342 62379 71808 79854 79863 80695 90585 90708 90709 11324* 11341* 19521* 19570* 19592* 27361* 27395* 27399* 36215* 45280* 53870* 53934* 54003* 54670* 71742* 79747*
buffaloes 62770
cats 11759
cattle 3412 3534 3550 19920 27632 27641 27803 36535 36580 36642 36655 36666 36720 48054 54348 54420 62858 62886 62892 71954 80271 80290 91042 91086 91092 91123 91142 11552* 11588* 19802* 19823* 19860* 19991* 27717* 27718* 27871* 27877* 36742* 62768* 72162* 80434* 80449* 91044*
dogs 11787 20024 27968 28004 36833 45766 45791 63075 19991* 63035* 72292* 80536*
ducks 20196
goats 54966 20381*
guinea pigs 36925 36935
horses 80629 90725 36901*
insects 4526 20634 20795 91989
laboratory animals 20104* 63196* 91342*
man 90703*
pigeons 63325
poultry 11963 20196 20225 20256 20264 37013 37044 37054 45974 46012 63320 72680 91488 91531 3957* 11976* 20188* 37071* 72617* 80836* 91483*
rabbits 46079 54863 12052* 28399* 36259* 46085* 46088* 72764* 90812*
sheep 46128 12152* 37222* 54941* 63499* 72846*

Item

Antigens and antibodies--Cont
swine 20503 28693 37345 37413 46253 55077 63658 81320 91843 91854 12256* 20537* 20538* 28654* 28655* 37347* 37412* 55101* 55135* 63638* 63677* 63680* 91845* 91884* 91917*
reviews 46279
turkeys 20196 20245
Antigonish Movement 66991 67019
Antigonus pulverulenta 55958
Antihistamines 3191 80683 28001* 46149*
Antimetabolites 9012 16048 36175 42873*
Antimicrobial Agents Annual 32485
Antimycin 41835
Antioside 77833*
Antioxidants 14568 30722 31363 40053 48030 48800 75516 6058* 7064* 56473* 75511* 84856* 86988*
determination 75541 83326 31260* 31387* 83502*
effects on poultry reviews 45932
in butter processing 83915 39382*
in dairy products processing 83923
in fats and oils 75541 31348* 31387* 57356* 84806*
in feed 6412 54722 72547 91438 48126*
in feed processing 30305
in fish processing 48986
in food processing 30304 30305 48467 56456 57150 74509 39983* 75466* 93883* 93884*
in fruit processing 31024
in grain 6761
in lard 31260*
in milk processing 56759
reviews 22716
Antiozonants 7183 22791 41707
Antiporus duplex 82345
Antipyrine 27842
Antireticular cytotoxic serum 3543* 19658* 80697*
Antirhea 41317*
Antirrhinum
anatomy and physiology 960 25009
culture 25747*
fungus diseases 41875 50313 50319
Antirrhinum majus
anatomy and physiology 16692 33862 68861 77462*
biochemistry 9249* 77820*
cytology 16319*
fungus diseases 24348*
genetics 940
pollen 68861
Antirrhinum orontium 43022
Antiserum 3908 55353 62886 73518 91092 36275*
Antispila pfeifferella 29633
Antiteuchus 5258
Antitoxins 36559
Antitype 92628
Antivenoms 28936
Antonina graminis 5319 12460
Antrycide 20645 46238 80291

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Item

Ants 38420
Afghanistan 5285
anatomy and physiology 38392 47081 64565 73776 92567 12972* 55901* 64561* 92551*
and aphids 29518 29591* 82607*
and disease 4461
and fungi 21351
as feed 55895 82595
as pests 12483 82645 37769*
as predators 12395 12970 73787 12630* 64542* 81883*
Australia 73790
beneficial 4769* 12638* 20896* 20932* 81883*
Brazil 82612*
breeding places 4422
Cambodia 82598*
Central America 55906
collecting and preserving 29603* 55565*
control 4422 4726
Australia 4603 20581 28956 29129 29130
Brazil 28785*
El Salvador 73311*
tests 28781 29128*
USSR 55543*
Corsica 73770*
Costa Rica 55906
cytology 5294 29579
Czechoslovakia 29577*
dissemination 37769*
ecology 92538*
Finland 5284 12960*
geographic distribution 82587 73770* 82611*
Great Britain 73774
habits and behavior 5513 12969 21377 29583 29613 38362 38392 46955 47089 64565 73787 73794 73795 82645 92567 5291* 5299* 5314* 5322* 5330* 12962* 21138* 21302* 29128* 38365* 38372* 38380* 38402* 38403* 38416* 47230* 55568* 55872* 55901* 64542* 64555* 64561* 64563* 82617* 92538* 92543* 92551*
identification 82611*
illustrations 55564
India 29583 82633*
Japan 21328
larvae 5314*
Majorca 73770*
Mediterranean Islands 73770*
Mexico 55906
migration 73795
New Zealand 82600 82649
Nigeria 38494
nomenclature 29589 55876*
North America 29589
North Carolina 47128 82587
nutrition 29613 47089 38412* 38416*
Ohio 38422
parasites 55873 28854*
Poland 5324* 21341* 64563*
populations 5330*
predators 21137*
rearing and breeding 29613 55564 5299* 38402* 46645* 46646* 55565* 55872* 64561* 64562*
Republic of South Africa 29613

Item

Ants--Cont
research 73787
statistical methods 92538*
Sahara 92543*
Spain 92539*
taxonomy 64549 73776 5291* 12960* 64562* 82598* 92539* 92543*
venom 12981 82595 12972* 29611* 55214*
Western Hemisphere 21351
Antweiler's method 81327*
Anuario Azucarero de Cuba 22833*
Anumeta 73858
Anuraphis persicaeniger 55500
Anuraphis rosea 29431 21293* 82537*
Anurophorus 21508
Anus 54988 11780* 37041* 45568*
Anzia 8288
Aonidiella aurantii 4681 20810 20836 55486 92173 12577*
Aonidiella citrina 92173
Aoplus 47084 47085*
Aoria 21113
Aorta 45338*
cats 28038
cattle 11607*
dogs 80554 3682* 36829* 72294*
goats 20399
horses 20399
poultry 80881 54814*
swine 81304*
turkeys 72520
Apache National Forest 44603
Apamea secalis 73243
Apamea sordens 63960* 63964*
Apanteles 82676*
Apanteles glomeratus 21443 64580 73123 92140* 92220*
Apanteles harrisinae 46541
Apanteles hesperidivorus 12992
Apanteles xanthostigma 92220*
Aparallelodemas n g 12831
Apatania 47258*
Apatania auricula 64730*
Apatania muliebris 92657
Apataniana 47258
Apate monachus 12536 81787
Apatele 82746*
Apatenia 46910*
Apatite 43968* 52607*
Apatolestes 55811
Apatura iris 5402 5428 5435 5436 38456
Apelioma 38376
Apera spica-venti SEE Agrostis spica-venti
Apethistis 21366
Apethymus braccatus 32998*
Aphaenogaster 5285
Aphaenogaster longiceps 29035
Aphaenogaster pythia 29035
Aphaereta pallipes 5067 29434
Aphalara 12930*
Aphanamixis polystachya 77369
Aphananthe 41420*
Aphaniptera SEE Fleas
Aphanocephalus shibatai 82237*
Aphanomyces 296
Aphanomyces cochlioides 486 77083
Aphanomyces euteiches 742 8461 16013 50407 50535 58981 68617
Aphanotus destructor 12823* 55744*
Aphanus sordidus 12934

Item

Aphelandra squarrosa 50377*
Aphelenchoides fragariae 77291 59206* 87108*
Aphelenchoides ritzema-bosi 16169 16194 16195 24467 42057 42064 77273 87129*
Aphelenchulus elongatus 46870
Aphelinidae
anatomy and physiology 92568*
Argentina 82641*
Great Britain 12957
Hungary 47076
nomenclature 38397 38398
Palearctic Region 82597*
taxonomy 29582
Aphelinus mali 37724* 46540* 92546*
Aphelinus semiflavus 47090*
Aphidae SEE Aphids
Aphidencyrtus 47076*
Aphidencyrtus quadrii 92530
Aphididae SEE Aphids
Aphidiinae 38404 47101* 92556*
Czechoslovakia 38407
Europe 64566 92557*
Hungary 38379
Palearctic Region 47101*
taxonomy 5323 12975 38405 38406 64566
Aphidinae 29567 82563
Aphidius 92557*
Aphidius absinthii 64566
Aphidius brassicae SEE Diaeretiella rapae
Aphidius cingulatus 64566
Aphidius ervi 4405
Aphidius hortensis 64566
Aphidius rapae SEE Diaeretiella rapae
Aphidius smithi 64571*
Aphidius testaceipes 92200
Aphidoidea 28746 64490 81888 47033* 47041* 64513*

Aphids
Abies 37820 46988 46643* 55575* 92505* 92517*
abnormalities 38325*
adaptation 29559* 29560*
alfalfa 4641 20751 28965 28990 55450 63898 63934 73431 82515
anatomy and physiology 5230 5250 21285 21296 29518 29542 47028 55438 55848 73746 73758 73760 82565 21282* 29546* 29559* 29573* 47041* 47050* 47061* 81980* 82537* 92504* 92505*
and plant disease 4657 20695 20699 20758 20764 37654 37670 37682 46432 46436 55169 55188 55234 55239 55380 55420 55427 55438 55462 63993 64008 68002 81626 81629 92067 92068 538* 20736* 46444* 46501* 46518* 46528* 73197*
Australia 81713
Canada 4649
France 63888
Hungary 46508* 92115*
New Zealand 73072
Philippines 12534
Poland 12466*
reviews 55238
Scotland 55464
Texas 12457
Wisconsin 4648

Item

Aphids--Cont
apples 12565 12571 12935 29090 29431 46565 55505 12546* 37724* 46532* 46562* 47050* 73283* 92504* 92546*
Artemisia 92510
bananas 12534 55502
barley 12471 20758 20794 55408
beans 4838 92501*
beets 20736*
Brassica 12494 73744
Bulgaria 82561*
cabbage 29001 46450 5251*
cacao 81797*
Canada 5254 82552
citrus 4707 29079 37745 63993 64008
collecting and preserving 82515
Colorado 47008
Coniferae 46643*
control 12494 55502 55394*
Australia 28793
biological 37801 46353*
Czechoslovakia 73197* 73375*
France 63888*
Great Britain 12339
India 81620
reviews 12371*
Rhodesia and Nyasaland 20708
Scotland 55464
Spain 81794*
tests 20584* 46470* 91979*
corn 12505 55435 81700*
Cornus controversa 29572*
cotton 28994 28999 55439 55394* 92087*
cucumbers 55434
currants 12552 21282*
cytology 46992* 47020*
Czechoslovakia 38301
Delaware 38302
Denmark 29533
diseases 55455
East Africa 38293
ecology 64490 73744
eggs 82540
Europe 5265 64524 21301* 47030* 64523*
Fagus grandifolia 73389
field crops 73208*
food and host plants 21296 21315 38293 64525 73756 82523 12937* 21274* 29551* 29560* 37668* 55868* 73213*
fruit 12584* 46594* 81794*
genetics 82537*
gooseberries 12552
grain 5250 12936
grapes 12924* 46549* 55866*
grasses 5250 12936 20758 47050*
habits and behavior 5243 5250 73749 73758 82596 21280* 21282* 29546* 46501* 47050* 55868* 82607* 92505*
hops 37575 92122*
identification 4707 55853 92134 12938*
India 12917 21269
Japan 29565 29566 29567 47047 82563 92520 92517* 92526*
Juglans 92143
kafir 46472
Korea 92517*
Larix 46643* 46656*
larvae 55871*

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Item

Aphids--Cont
lettuce 29002 29544 81713
lupine 63929
Maine 21315
melons 92087*
migration 47000*
New Jersey 21315
Nicotiana 12518
nomenclature 21290
21310 64518 82554
North America 21290 73760
nutrition 20776 46473 46474 21274* 21280* 64503*
oats 12471 82508 55451*
onions 28953*
ornamental plants 12599* 47036*
parasites 12494 38404 64489 92530 29591* 46353* 46643* 47020* 47101* 92107* 92546*
peaches 55500 29056*
peanuts 81620
pears 47050*
peas 21268* 64503*
Picea 47008 64482 20889* 29136* 29141* 46650* 46651* 81879* 81911*
Pinus 64489 64490 81875
Poland 5262* 38344*
populations 12927 55848 63905 5251* 37668* 47000* 92546*
Populus 5230 55867 73375* 81914*
potatoes 4642 5214 12447 12508 20695 37669 46506 55455 55464 73239 81626 81629 81689 4617* 12938* 28998* 29012* 29463* 46508* 63904* 63968*
predators 12494 29362 29431 46990 73729 28998* 55746* 92107*
Pteridium aquilinum 92518*
Quercus borealis 46667
raspberries 46528* 55476*
rearing and breeding 29544 21268* 21293* 21311*
redpeppers 81647
Republic of South Africa 73756
Rhamnus cathartica 28746*
rice 47061*
Rosa 12939 81823
rutabagas 20725*
Salsolaceae 20731*
shallots 20726*
spinach 37682
Spiraea 21301*
strawberries 73758 12533*
sugar beets 4657 28986 29043 46436 46441 63877 81650 81712 29007* 55429* 73197* 73213* 73263* 81694* 92096* 92098* 92124*
surveys 5214 29043 29545 73072
Sweden 92510
sweetclover 29004
Tamarix 81888
taxonomy 5250 5254 29543 47047 64524 82508 82563 92499 92520 64505* 73753* 92505*
tobacco 12518 20708 29528 55462 73236*
tomatoes 46432
trees 38336*
types 21303 64518

Item

Aphids--Cont
USSR 92499 55864* 64504* 64506* 73742*
United Arab Republic 82521
Viburnum dilatatum 92518*
wheat 12457 92107*
Wisconsin 12936
Zelkova 92526*
Aphis 21303 21310 64518 82554 82561*
Aphis abietina 20889* 29136* 46651*
Aphis craccivora 21285 55868*
Aphis fabae 29007*
anatomy and physiology 46989* 92501*
and plant disease 63877
control 4838 81712 46488* 73208* 73213* 81694* 91979* 92096* 92098* 92124*
tests 55429*
food and host plants 82496 46989* 73213*
habits and behavior 5219 92501*
rearing and breeding 5174*
Aphis frangulae 12938*
Aphis gossypii
anatomy and physiology 92087*
and plant disease 29079 55520 29012*
control 55439 28970* 92087*
tests 12597 28994 28999
habits and behavior 47000*
Aphis idaei 46528*
Aphis maidis SEE Rhopalosiphum maidis
Aphis medicaginis 63929
Aphis nasturtii 12937* 47000*
Aphis pomi 12565 12935 29090 73283*
control 55505 46562*
predators 29431
Aphis rhamni SEE Aphis nasturtii
Aphis spiraephaga 21301*
Aphis stroyani 64523*
Aphodiinae 82297 82305 46884* 82317*
Aphodiini 38120
Aphodius 38071* 46884* 82317* 82318*
Aphodius (Nolicus) n sgen 82317*
Aphodius conspurcatus 64362*
Aphodius tasmaniae 5018 73626 82297 82305
Apholate 55264
Aphorodon n g 29567
Aphrastochthonius n g 82126
Aphrastomyia 82392
Aphrodes bicinctus 12452 63789*
Aphrophora saratogensis 37805
Aphthona 55739*
Aphthona euphorbiae 82279*
Aphthous fever SEE Foot-and-mouth disease
Aphycus albicornis 29609
Aphyllophorales 15863*
Aphytis 29582
Aphytis lepidosaphes 4683 20811 20833
Aphytis maculicornis 20821*
Aphytis proclia 63975*
Apicotermes 5641
Apiculture 12676* 12678* 37887* 46696*
accounting 82011
advisory services 81995*
Alaska 55620 82013
apiaries 37867
damage 29189 81935 81945

Item

Apiculture--Cont
apiaries--cont
Florida 37846
Iowa 37858 81949
location 6866 73448 29180* 92271*
Morocco 81951
pests 37906* 64186*
Portugal 12701*
USSR 81994*
apiary management 12680 20944 64145 64152 81920 81929 89131 12710* 46678*
Australia 55599 73447
California 12693 64176 64192
Delaware 4834
Europe 37878
Ireland 73420
Maryland 4808 4834
Mexico 12712
Oregon 92273
Pennsylvania 4824
USSR 73418*
as an avocation 4806 4810 29198 64128 81921 81929 92260 92269 92287*
as an occupation 81929 20951*
associations 4813 12675 37868 73411 92284 20972*
Denmark 81997*
Finland 81969*
France 81971*
Maryland 64163
Norway 81989*
Sweden 81983*
Switzerland 46699* 64149*
Australia 4778 12705
Austria 29186
beginners 46689 81957
bibliographies 64127* 73406*
Bolivia 4815
Canada 37870
China 73441*
conferences and congresses 20943 64150*
costs and returns 12670 37904 73418*
Czechoslovakia 73454*
Denmark 81964*
directories 64119 64120 64198
Elba 73443*
equipment 4798 20944 20960 64188 64195 64200 73439 73445 81931 81990 92266 29204* 37874* 81922*
standardization 37873* 37907*
Fiji 4778
Florida 92275
France 20956*
Germany 20977*
history 37881 4825*
Connecticut 4804 12692
Germany 92276*
Hungary 64191*
Switzerland 81991*
Vermont 12709
honey production 4826 37877 64153 73423 92277 20938* 81953* 92270* 92271*
Australia 29170
France 4786
Iowa 37858
Ireland 73420
Switzerland 37894* 46676* 46692* 92280*
Vermont 4837
Hungary 92264*

Item

Apiculture--Cont
in literature 37881 29174*
Italy 4815 4841 37888* 81988*
Kentucky 81958
Lebanon 64139* 81942*
legal aspects 82011
legislation 4794 37854 37859 20942* 29180*
Maine 12682
Mexico 4807
migratory 20971 37908 12710* 29195* 55619* 64137* 73408*
New York 4806
New Zealand 4778
Northeastern States 12683 12684
Northern Ireland 4819
Norway 55609*
Pennsylvania 4780
periodicals 23796*
policies and programs
France 64189*
public relations 48589
Puerto Rico 37838
recruiting 4814 46695*
regulation and inspection 37846
Arizona 41586
Florida 4788
Great Britain 81947 81948
Switzerland 37866*
Texas 4785 81927
Republic of South Africa 55611
research 20953 64127* 64159*
reviews 37902 37840*
royal jelly production 20941* 20954*
Scandinavia 81954*
situation and outlook 29200 46672 37883* 64118* 64125* 64164*
Spain 64144*
statistics 29170 48725* 92280*
study and teaching 4833* 20963*
Tahiti 4778
Taiwan 92265
USSR 4833* 12691* 29175* 37882* 55618* 73424*
wax production 4779 46686 64202
SEE ALSO Bee trees; Veils in apiculture
Apiculturists 20952*
Apidae
Algeria 21319*
anatomy and physiology 64557 81966*
Great Britain 73789
habits and behavior 64134*
Palearctic Region 5311*
research
statistical methods 64557
taxonomy 47095 82644 92554 5312*
Apinae 55904
Apiocera 5135
Apion 55727 73616
Apion apricans 46461*
Apion carduorum 55493*
Apion corchori 4594
Apion godmani 92081*
Apion semivittatum 4971 73633
Apios americana 8238 8239
Apis florea 4817
Apis indica 81966*
Apis mellifera 73461 64157*
abnormalities 73412*
age 64168 64185 12677*

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Item

Apis mellifera--Cont
anatomy and physiology
46691 55612 64130
73413 12677* 12679*
12706* 20937* 20948*
29190* 29211* 55606*
55615* 73456* 81924*
81932* 81972* 92283*
as food 4796
as pests 81984
as pollinators 4783 4800
4823 12690 29212
37845 37856 37869
37876 37896 46671
55598 55617 55621
55600 55601 64156
64158 64171 64184
64192 73409 73419
73421 73422 73434
73437 73440 73455
81930 81943 81958
81965 92257 92277
12702* 12708* 12713*
20962* 37890* 46690*
64129* 64179* 73453*
82001* 82003* 92264*
Belgium 12695*
bibliographies 64126*
biochemistry 64143
breeding 4796 4830
29173 29199 37853
73438 20952* 29168*
64148* 64197* 73407*
73410* 73443*
brood 4801 4827
64140 64162 73446
73452 4818* 37852*
73412* 81924* 81976*
care and handling 46694
64133 92282 81981*
colony management 4826
4827 29188 37877
46689 64192 64193
73423 73440 92277
12676* 64190* 81923*
Alaska 55620
Australia 4778
California 64136
Canada 4811 73457
drifting 12687
increase 4820 37897
Ireland 73420
moving 64195
81990 81961*
North Dakota 4799
Sahara 73408*
Scotland 4816
seasonal 4799 4811
4820 37850 64146
64162 64194 73439
81918 81949 29191*
46681* 81922* 92261*
92271*
swarming 73414
92279 20939* 29205*
81963*
USSR 55618*
comb building 20973
37880* 37903* 64131*
81936* 81977* 92263*
communication 4840
20955 64175 73459
81944 81978 12688*
12711* 20946* 20958*
46673* 46675* 92258*
development 46670
12703* 12704* 29181*
46680* 81976* 92270*
disease resistance 20935
73460
diseases 81919 81947
81948 12700* 37849*
73415* 81934* 81992*
82007* 82008* 82010*
82012* 92259*
causes 37843*
37900* 64121*
conferences and congresses 46684* 46685*

Item

Apis mellifera--Cont
diseases--cont
control 55604
64152 64154 81971*
induced 4822 12689
treatment 64135 37885*
drones 29173
55612 20950* 29196*
73428* 73458* 82009*
eggs 37884* 64197*
enzymes 37871*
flight 64130
12711* 64134* 81952*
foragers 12690 12696
20949 20957 37867
46683 73431 4812*
12695* 29176* 29197*
81953* 81998*
genetics 4830
habits and behavior 4839
12696 29194 29201
37855 37867 55598
64180 73433 73435
92254 92256 4818*
12697* 12711* 20961*
29190* 29193* 29203*
29207* 37872* 55607*
55610* 64131* 64161*
73449* 73453* 81977*
81998* 92263*
history 64138*
in folklore 64151*
larvae 4796 4782
20935 20950* 64199*
laying workers 46670
81975
legislation 76066
longevity 81942*
metabolism 12672* 12697*
55610*
Morocco 37857
mortality 20935 64142
nuclei 20939* 20965*
nutrition 4801 7936
12686 20975 46693
64188 64193 81956
12674* 20959* 20964*
29192* 37884* 55607*
64147* 64181* 64182*
73450* 73453* 81946*
92261*
package bees 37909 64133
64142 64145 64192
81939
parasites 4784 12673
20945 12700*
pests 64183
64202 73417 81979
12700* 46682* 73436*
81941* 81950* 81996
poisoning 4831 4838
12681 20934 37839
46677 55621 64136
73421 73422 73434
81947 81948 81965
81999 82002 92281
29208* 37843* 37851*
37899* 55602* 64166*
64167* 64170* 64173*
81962* 81985* 82005*
82015* 92286*
prevention 29172
46674 73442 37892*
55613*
tests 12694
29171* 29209*
populations 37877
predators 55630
12700* 81968* 81987*
queens 64180 81939 81960
92262 29179* 29207*
37886* 81923* 81942*
age 92270*
anatomy and physiology
12703* 12704* 55608*
64177*
care and handling 64142
introduction 37865
64122* 64174* 81926*

Item

Apis mellifera--Cont
queens--cont
mating 64143
64201 73438 81918
73428* 82009*
odor 20940
queen cells 20973
29205* 37852*
queen excluders 73430
queen's substance 4805
4809 29177 29187
64123 92274 81928*
rearing 55608* 73407*
73410* 73428* 73444*
81976* 92287*
requeening 4802
64146 82014
supersedure 20940
37865
two queens 64146
races 12671 12707
37857 37877 55616
82013 92254 64138*
64139* 73443* 81972*
92268*
research
statistical methods 73459
scale colonies 64141* 92253*
shipping 37909
64192 73452 64197*
sonification 73459
20946* 92258*
stings 4795 29179*
temperature 73439 73442
venom 92255
12685* 81993*
bibliographies 4828
extraction 4803 4821
therapeutic use 4803
92272*
weight and measurement
4830 29185*
workers 20950* 29179*
29196* 37852* 37884*
64160*
Apis mellifera capensis 46670
Apis mellifera ligustica 37871*
Apis mellifera litorea 12707
Apis mellifera monticola 12707
Apis mellifera saharensis 73408*
Apis mellifica SEE Apis mellifera
Apisa 92596*
Apisflor 88156*
Apium graveolens SEE Celery
Aplastic anemia 63082
Aplopappus 42368
APNPS SEE Acetyl-(para-nitrophenyl) sulfanilamide
APO SEE tris-(1-Aziridinyl) phosphine oxide
beta-Apo-8-carotenal 63229
72511 72576 91391
91413*
Apocephalus 82360
Apocrypha 82288*
Apocynaceae 60299 67449
67504
Apodeme 29457* 29458*
Apodemia mormo group 73846
Apoidea SEE Bees
Apolabis acutiventris 29792
Apolpium 92317*
Apolychrosis n g 92569*
92617*
Apomixis SEE Parthenogenesis
Aponogeton fenestralis 76954*
Aponogetonaceae 24029*
Aporia crataegi 29721*
55980*
Apothechyla n g 82382
Apotomis inundana 29680*
Apotomus 38107*
Appert N 32564
Appetite
animals 62649 79683
80130 27642* 81209*

Item

Apple aphid SEE Aphis pomi
Apple fruit moth SEE Argyresthia conjugella
Apple grain aphid SEE Rhopalosiphum fitchii
Apple Growers Association 14074
Apple juice
analysis and composition 48332* 75104*
consumption 6660
discoloration 84293*
marketing 6660
processing 57047 57057
65779 93564*
properties 48334*
situation and outlook 30970
Apple maggot SEE Rhagoletis pomonella
Apples
abnormalities 762
advertising 6677 14076
84233—84235 84240
84250 84261 84262
Michigan 57000
New Hampshire 84256
New York 56992
Switzerland 65741
Virginia 56991 84253
Washington 39679
56990
advisory services 34634
analysis and composition
14156 22339* 75091*
84203*
anatomy and physiology
1083 1137 1145
1160 1280 9057
16556 16557 16746
33616 33906 33907
33922 33999 34226
42581 42637 42721
42789 42796 42912
44155 51189 51314
51318 60136 67807
68559 68897 69048
77510 77519 87604
87976 8889* 8910*
8918* 9207* 9619*
16539* 16729* 24874*
24878* 24950* 24968*
25060* 25116* 25164*
25621* 33846* 33880*
33977* 34003* 34088*
34198* 42513* 42543*
42601* 42646* 42663*
42769* 50978* 50988*
51011* 51048* 51057*
51219* 51242* 51347*
59280* 59896* 60038*
60120* 60195* 67375*
68667* 68674* 68716*
68760* 69057* 69122*
69128* 70198* 73265*
77621* 87511* 87597*
87611* 87740* 87832*
87869* 87870* 87891*
87915* 87926* 87982*
87989* 88052* 88228*
bacterial diseases 16101
16109 86995 531*
biennial bearing 42769*
59978*
biochemistry 1313
1354 1405 6735
9282 16894 31035
39743 51522 57108
60292 1358* 42943*
69207* 75207* 88228*
blanching 75243
breeding 1698 25619*
25632* 42450* 43428*
51928* 69750*
USSR 88903* 88913*
canning 31024
care and handling 9612
48428 82968 84315
84321 84327 88901
93613 93637 21879*
93671*

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Item

Apples--Cont
chemistry 93656*
color 25621* 51927* 60701* 77519* 93599*
consumer preferences 56939 56984
consumption 6651 93575
containers 31060 48417 48428 57035 57106 75169 75232 84299 84315 93590 65771* 93671*
contamination 20822 20834 22398 22403 22405 39702 84288 39715* 48409* 84203*
cookery 76612
cooling 14184
cooperatives 6661 14074
costs and returns 15116
Argentina 15074* 15110*
Belgium 88916*
Great Britain 40570 76254
New Jersey 94493
culture 69760 1701* 25617* 50625* 51920*
Alabama 60682
Czechoslovakia 60683* 88908*
Denmark 69737*
Europe 88901
Finland 42154* 43415* 87202*
France 60705 88892*
Germany 17350*
Great Britain 44310 50226 88899
Japan 25617* 25619*
Netherlands 9633* 34646* 34647* 88885*
New York 78061
North Carolina 60693
Pacific Northwest 87786
Poland 17346* 88891*
Portugal 34650*
Rumania 51933* 60702*
Switzerland 60701*
Tasmania 88905
USSR 34628* 51944* 59978* 69741*
Washington 34634
cytology 762
damage 93637
defoliation 9621* 69738*
dehydrofrozen 31026
dictionaries 25617*
directories 56941
disease resistance 24414 41697 41746* 50250* 86742* 86954* 87024*
diseases 41686* 50250* 86661*
control 77051
Colorado 50166
Italy 58838*
Japan 67697*
Massachusetts 67718
New Hampshire 41667
Spain 86617*
USSR 50237*
Wisconsin 50252
Illinois 77067
Italy 50178* 86618*
drought resistance 87624*
dwarf 51925 51932 51940 60705 1701* 34643* 42513* 50978* 69752* 87869*
ecology 8696* 16253* 16254* 25624* 42154* 50625* 69758* 87202*
espaliers 78068*
fertilizers 1137 2277 8933 33922 42789 65802 77498 42883* 51219* 60195* 78609*
France 61356*
Great Britain 44155 44310 61373

Item

Apples--Cont
fertilizers--cont
Indiana 78644
Netherlands 26224 10266*
New Zealand 1095
Poland 10293* 42769*
Sweden 18301*
USSR 10159* 18306* 35337* 51935* 87926*
flavor and odor 14118* 48406*
for processing 51921 83105 88899 93650*
frozen 84227
fruit set 87786 8951*
fungus diseases 377 41864 50269 50336 59077 67807 41737* 67810* 67896* 67909*
Argentina 86893*
Australia 41800 41846 86779
Austria 8555*
Bulgaria 86944*
Canada 33249 33235*
control 24191 33290 41728 41793 41905 50285 50347 77117 77156 86926 16071* 16086* 41750* 41854* 67817*
Alabama 58963
Canada 15989
Denmark 50353*
France 15986* 59070* 86747*
Germany 24273*
Great Britain 8488 41795 41865 67873
Illinois 16056
Italy 67772* 77146* 86967*
Korea 77136 77137*
Norway 50309*
Oregon 33183
Poland 41746* 41747*
reviews 86774*
USSR 41782* 86917*
Germany 33217* 41886* 59014* 86800*
Great Britain 376 473 474 41894 67874 86875
Hungary 380*
Italy 33250* 33266*
Japan 67911*
Rhodesia and Nyasaland 16094
Sweden 77155*
Switzerland 33304* 86921*
USSR 86742* 86954*
genetics 24761* 42450* 68444* 77422*
germination 25164*
girdling 60038*
grading and standardization 77041 14036* 93599*
hardiness 1160 51314 9023* 24934* 24950* 24955* 88052*
harvesting 6728 9612 38699 83105 51927* 74135* 75214*
harvesting date 88896 1707*
history 30933
hybrids 25632* 51945* 51950* 60704*
industry 56941 84170 14037*
Alabama 60682
Australia 30931
Belgium 56954*
Europe 39604
Great Britain 6628
Japan 22312* 22313*
Pacific Northwest 84155

Item

Apples--Cont
injuries 8872 12561 15944 41664 51314 8373* 15936* 50250* 93658*
irradiation 48434
irrigation 35541 52955 70836 10387* 68674* 69207* 70825* 89887*
judging 48406*
keeping quality 10266* 87611*
marketing 48356 48375 66672 84240 84241 84252 84259
Connecticut 14084 14097
Europe 84272
Finland 22365
France 88892*
Germany 14036*
Michigan 6618
New Jersey 93589 93591
New York 84232 84270 84271
New Zealand 6673 65736
Pennsylvania 39694
Tennessee 22362
Virginia 84251
Wisconsin 30984 84279
mechanization 82968
morphology 8735 24664* 42303* 59471 59477* 59501* 59646* 59648* 68276* 87361*
nematodes 59223 16163*
nutritional deficiencies 77498 89150*
nutritive value 23689
packed 30990 22440*
packing 31004 39722 57035 65765 75169 39760* 48436* 57042* 57043*
peel 48320*
pest control 12565 12582 20820 55505 63997 77051 81751 81763 81776 81777 73265*
Australia 55501
biological 73303 4711* 4695* 20826* 29106* 37724* 55511* 63983*
California 64001 73299
Canada 20812 20822 20841 29090 64000 81774 81784 92186*
China 37707* 37721* 37724*
Colorado 50166
France 4680* 46532* 46540* 81747* 82669*
Georgia 46596
Great Britain 12571 73281 73316 92158
Idaho 37739
Illinois 77067
Indiana 20827
Italy 4678* 73283* 81765*
Japan 67697*
Korea 81773*
Maine 46533
Maryland 20818
Massachusetts 67718
Minnesota 20802
Missouri 55503
New Hampshire 41667
New Zealand 12590
Oregon 37712
Pennsylvania 55164
Poland 46561* 46562* 46592*
Rumania 37695* 46527* 55510*
Spain 86617*

Item

Apples--Cont
pest control--cont
Switzerland 46600*
USSR 4711* 20806* 20846* 37700* 37741* 46559* 55513* 63973* 73321* 81781* 81821*
Vermont 4691
Virginia 81762
Washington 29074
Wisconsin 50252
pest resistance 41697
pests 12341 8400* 47050* 81757*
Australia 46565
Austria 20805*
California 20804
Canada 12561 20842 21406 29431 81786 81824
Chile 12551*
ecology 12935 37695* 46527*
forecasting 20851* 55510*
France 37715*
Great Britain 37716 73279
habits and behavior 21058 21063 29725*
Italy 50178* 92540* 92577* 92589*
Japan 81814*
New Jersey 63987
New Zealand 81756
outbreaks 12595* 81814*
Poland 4774* 81810*
Republic of South Africa 21412
Rumania 46883*
Spain 81768*
surveys 55681
Sweden 55516*
Switzerland 37755* 55519*
USSR 55485* 81737*
Wisconsin 20837
physiological diseases 1095 1169 16592 25003 33953 34030 51298 59922 60214 68587 77709 77750 16535* 42883* 42907* 68584* 69149* 88028*
planting 51932 9613* 9614* 9619* 9634* 17352* 51923* 51963* 59820* 88914*
planting date 78774* 88897*
pollen 9057 34089 42637 42889 33719* 69118*
pollination 34089 92277 24968* 34636* 51928* 69128* 69754* 87611* 88913*
pre-harvest drop 33967 77755*
prices 40570 48425
processed 65725 65804 84240
processing 84322 84335 84357 84379 93622
production regions 39612
products 48327 56984 84818* 93566*
propagation
by grafting and budding 25622 34226 69048 69756 16071* 17351* 24950* 24955* 33880* 43402* 43411* 51242* 87891* 88904*
properties 93637 75243*
pruning 17326 25631 78073—78075 17345* 25610* 25611* 51926* 51935* 51937* 51949* 69735* 69736* 69747* 69751* 87832* 88911*
Australia 51965

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Item

Apples--Cont
pruning--cont
France 43397*
Great Britain 69753 69757
Iowa 51932
New Zealand 78064
Poland 17346* 42769*
Spain 78067*
USSR 25604* 68667* 78065* 87926* 88914*
Virginia 17336
Washington 17329
pulp 12382 75104*
quality 30990 33922 34634 78075 93575 48406* 51057*
refrigeration 39733*
Australia 14191 31060
costs 14176*
equipment 22435
Poland 21879*
Sweden 93641*
USSR 75195*
research
statistical methods 12561
ripening 65792* 75207*
rootstocks 1280 8578 16746 25615 34643 43426 51925 67807 69048 69756 87045 1701* 17352* 17359* 25621* 34641* 50978* 51242*
Denmark 34633*
Germany 24934* 77235*
Great Britain 8579 88898 51958*
Netherlands 9633*
Pacific Northwest 78072
Spain 25614*
USSR 17348* 51958* 87891* 88913*
seeds 42912 24968* 34636* 59501*
situation and outlook 84148 84169
Europe 6620
Michigan 6618 84172
New England States 14047
Ohio 56939
Wisconsin 84279
size 1706* 69128* 87989*
soils 18592* 25116* 70391* 87982*
Belgium 10143*
Finland 16253* 16254*
Germany 44121*
Great Britain 44310
Indiana 78624
New Jersey 87976
Poland 35274*
USSR 10387* 43419* 87597* 89461*
spoilage 48417
spraying and dusting 24191 41793 46567 51318 63997 77040 77041 77051 16850*
Argentina 77106*
Canada 12563 15943 64000 86701
Georgia 41704
Germany 42907*
Great Britain 397 8488 8872 12571 41865 61373
Idaho 33967
Maryland 20818
New Hampshire 41667
New Jersey 33131
New York 77050
North Carolina 50163
Oregon 41672 67714
Pennsylvania 15930
Poland 41746* 46562*
Spain 86617*
Switzerland 46600*

Item

Apples--Cont
statistics 6620 48490 65804 94493
storage 6735 39743 48490 57106 65801 65802 22440* 39760* 48436* 65771* 93599*
Australia 6728 57080
Bulgaria 93656* 94829*
Canada 84366
controlled-atmosphere 6733 12607 39730 65818 83275 84318 84329 84377 84378 84359* 93650*
costs 65821 93668
diseases 397 22416 22417 22432 31035 31061 33099 33953 48441 48475 84318 84332 84357 84379 22418* 51927* 93658*
control 14156 31058 84335 93639 93660
reviews 75237*
equipment 84329
France 75214*
Germany 22428*
Great Britain 75232
Italy 14136*
losses 93637
New York 65821 93668
pest control 12607
Spain 65792*
Sweden 57090*
Switzerland 60701*
temperature 14184 21879* 48481*
USSR 75207*
United Arab Republic 39767
ventilation 48441
Yugoslavia 75233*
taxonomy 15765*
tests 93599*
thinning 9632 51947 69732 69761 87604 88894 16850*
chemical 60136 78080 43401* 88895*
trade 6620 15351 39604 94784*
transportation 93590
utilization 60683
varieties 1698 14147 14156 24414 25623 33922 39730 48441 56984 60136 68897 69744 69755 69760 78071 84169 84227 84318 88896 8373* 24664* 24761* 25613* 34003* 34636* 39733* 51011* 51347* 51920* 69736* 69752* 69758* 77422* 87024* 87611* 88893* 88902* 93599*
Argentina 15074*
Australia 6728 31060 31061 65818
Austria 77621*
Belgium 51930* 56954* 88028* 88916*
Bulgaria 93656* 94829*
Delaware 17337
Denmark 69737*
France 25624* 43404* 43417* 48481* 78076*
Germany 22428* 41364*
Great Britain 8579 9616 41865 61373
Italy 14136* 78062*
Maine 31004 51921
Michigan 6618
Netherlands 34646* 34647* 88885*
New Jersey 93589 93591
New York 25618 30990 78070

Item

Apples--Cont
varieties--cont
New Zealand 48425
Ohio 56939
Oregon 34640 34642 34662
Pacific Northwest 78072
Poland 10293* 21879* 33846* 34649* 34653* 41746* 88891*
Rumania 51951*
Switzerland 43410* 51956* 60701* 88919*
Tasmania 88905 93660
Texas 43414
USSR 9628* 9631* 9634* 9637* 17348* 17351* 17360* 24878* 34630* 69754* 75207* 86954* 87740* 88903* 88915* 88920*
Vermont 17332
virus diseases 575 8578 8607 24414 50498 50502 59173 77256 87001 87045 87050 87074 33411* 87024*
Australia 87029
Bulgaria 87092*
California 16152
Canada 16138 33388
control 68036
Denmark 87039* 87089*
France 42009*
Germany 77235*
Great Britain 8579
Hungary 42012*
Japan 87026
Latvia 87061
Republic of South Africa 59135
Utah 24447
vitamins 39733* 49730* 94829*
waste 93662*
weed control 17705 17789 42721 43699 52169 52295 89320
yields 78075 34636* 34641* 42601*
Germany 16729*
Maine 16557
Netherlands 10266*
Poland 35274*
USSR 1706* 9619* 9637* 17348* 51944* 88914*
SEE ALSO Crabapples
Applesauce 30995
Appleton (Wis) Institute of Paper Chemistry 71505
Apprenticeship 49080 85269 85313 40366* 49074*
Apricots
abnormalities 59647*
anatomy and physiology 8941 9207* 33891* 42584* 51002* 60120*
biochemistry 34333*
canning 84340*
conferences and congresses 34645* 51952*
culture 34657
Albania 1696
Australia 17357
Estonia 17349*
France 39627* 51952*
Italy 17339* 34629* 60686* 88917*
disease resistance 86966*
diseases 50167 33033* 50207*
dried 6644 30991
drought resistance 87978*
ecology 33578*
fertilizers 35326* 44179*
for processing 69748*
fruit set 33982
fungus diseases 257 58928* 86966*

Item

Apricots--Cont
fungus diseases--cont
California 24227
Czechoslovakia 41770*
Italy 24215* 86767*
Spain 77142*
Switzerland 67778*
hardiness 59616*
industry 6622 56955*
injuries 24227 8330* 9067* 86636*
irrigation 35326*
kernels 39657*
morphology 59616* 59646* 59647*
pest control 50167
pests 5126 29083 33033*
physiological diseases 51002*
processing 93630*
propagation 25608* 88909*
pruning 88886*
quality 30991
rootstocks 34637* 42584* 60706* 88888* 88922*
situation and outlook 39627*
spraying and dusting 58679
storage 6727
varieties
Austria 34651*
France 51924* 51941*
Italy 34631* 56955* 88917*
Turkey 33982
USSR 51960* 69748*
yields 88886*
Aprifrontalia n g 82180
Aprofa 72973*
Aprophata 46817*
Aprostocetus 5292 82636
Aprostocetus salebrosus 82636
Aprostocetus subanellatus 55886
Aprostocetus trichionotus 82636
Apsylla cistellata 46590
Apterogyna 21330*
Apterogynidae 21330*
Apterygota 5632 5643*
Apterygothrips 5588
Aptesis basizona 12956 29586 29590
Apycnemia SEE Ammophila (Apycnemia)
Apyrase 4889 39647 77796
Aquathol 17653 17735 52252
Aquatic insects
adaptation 37950
anatomy and physiology 29517 64495 29496* 64238* 64258*
and disease 4506
as feed 37970 46730 55639 73506*
as predators 5191
Brazil 29606*
collecting and preserving 5028 29250 38075*
Corsica 73540*
Czechoslovakia 81409*
dissemination 21013
ecology 21021 59319
Argentina 82501* 82502*
Finland 29373* 29793*
Great Britain 82168 92427 92494
Japan 4876*
Latvia 4880* 4899*
North Carolina 29273
Republic of South Africa 33460
reviews 37979
Yugoslavia 42134*
Ethiopian Region 29333*
food and host plants 92302* 92660*
France 82216*

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Item

Aquatic insects--Cont
geographic distribution 5228
Germany 92405*
Great Britain 37962 82319
Greece 92490*
habits and behavior 38169 64270
Hungary 73504*
Italy 21088* 29236*
Japan 29453 29454
larvae 64231 12847* 63811* 82217*
locomotion 29389*
mountain areas 55643*
Netherlands 21304* 64512*
New Zealand 82345
parasites 64262*
poisoning 20885 55189 81406
populations
USSR 47254* 73512* 73521* 73525* 73624*
predators 55776
Rumania 46736*
Scotland 4976
Sweden 55634
Yugoslavia 47001*
Aquatic mites SEE Hydrachnellae
Aquatic plants
anatomy and physiology 33975 59945 68688 77548 87653 68947*
biochemistry 88185*
California 32845
Canada 43876
culture 89070*
ecology 59253 59319 68095 92302*
Japan 42173*
Latvia 705* 4899*
Malaya 16250
Netherlands 59285*
New York 33486
Poland 80589
Pyrenees 77302*
Republic of South Africa 691
Sweden 59295
Utah 87204
Yugoslavia 42134* 50614*
Estonia 41520*
feed 11798*
Hungary 67402*
Illinois 32714
morphology 33975
New York 67384
planting 41096
Pyrenees 76817*
Spain 25754*
USSR 92660*
SEE ALSO names of aquatic plants; and SUBHEAD aquatic UNDER Fungi; Weeds
Aqueous humor 45486 63259
Aquilaria agallocha 2947
Aquilaria agallocha oil 75544
Aquilegia 37762 774* 16345*
Arabans 75102*
Arabidopsis 50868 87453
Arabidopsis thaliana
anatomy and physiology 24917
genetics 59726 68479 906* 50895* 59721* 59732* 59733*
morphology 16359*
seeds 51238 59721*
Arabino-4-o-methylglucuronoxylan 36129
Arabinogalactans 2942 45088 53665 71538
Arabinose 77814 68760* 68761*
Arabis 574 8593 24462 15787*

Item

Arabis lyrata 86466
Arabis stricta 679
D-Araboascorbic acid 6058*
Araceae 50019
Arachidic acid SEE Eicosanoic acid
Arachin 42987*
Arachis hypogaea SEE Peanuts
Arachnids
anatomy and physiology 92326*
and disease 37557*
as feed 21030* 46760*
as pests 63835* 63847* 63866*
breeding places 82094*
collections 82128
desert areas 29290
development 73539 12791*
digestion 55699
ecology 29286* 64311* 68203*
evolution 12760*
geographic distribution 64300*
Great Britain 82128
habits and behavior 64246 73539 29267*
life histories 12761
metabolism 12781
numbers 73523
phylogeny 73539
populations 63835*
protective devices 4916
Surinam 64311* 82185*
Sweden 29279
taxonomy 46748 82113 82126 82177
Trindade Island 29286*
USSR 92330*
variation 4907*
venom 4916 20686*
Arachnioides 67529
Arachniotus indicus 50127
Arachnodes 29376*
Arachnoidea SEE Spiders
Arachnopeziza 32958 32945*
Arachnospila 82602
Aradidae 21288 47005 47006*
Aradus 47014*
Aradus bimaculatus 47034*
Araecerus fasciculatus 39186
Araeoncus 82180
Aralia 17517
Araliaceae 32864
Arambourg C 15544*
Aramite 460 39702
Aranea diadema SEE Araneus diadematus
Araneae SEE Spiders
Araneida SEE Spiders
Araneus diadematus 4931* 82146*
Arasan SEE Thiram
Arasan 75 SEE Thiram
Araucaria 9690 42575* 71197*
Araucaria angustifolia 18939*
Araucaria araucana 59476*
Araucaria brasiliana SEE Araucaria angustifolia
Araucaria brasiliensis 5342*
Araucaria cunninghami 26899 27130
Araucaria excelsa 67306
Araucaria klinkii 27130
Arbeitsgemeinschaft für Förderung des Futterbaues 51733* 69501*
Arbeitsgemeinschaft für Jagd- und Wildforschung 49749
Arbeitsgemeinschaft Landwirtschaftliches Bauwesen 13331*
Arbeitstagung der Milchwirtschaftlichen Fachberater 65353* 65354*

Item

Arbor Day 26709 35639
Arboretums 49904 51876
California 32656 32748
Connecticut 33537
District of Columbia 58549
Estonia 15792*
Europe 41293 86343
Great Britain 8134
Hungary 76892*
Illinois 8219
Ireland 32663
Massachusetts 2 67320
New York 33091 86284
Norway 44855*
Washington 65 86354
Yugoslavia 67351*
SEE ALSO Botanic gardens; and names of arboretums
Arceuthobium 761 53321 53338 53342
Arceuthobium americanum 10684 35766
Arceuthobium campylopodum 16686 17723 44778 53341 90166
Arceuthobium vaginatum 1933 10685 35767
Archaeidae 64305*
Archaeology 53521 86228 58118* 88276* 88845*
Archangelica SEE Angelica
Archegoniatae
reviews 77640
Archibaccharis 41346
Archicallicorixa SEE Callicorixa (Archicallicorixa)
Archimycetes
reviews 59078*
Archinemapogon n g 82808*
Archippus tsuganus 82634
Archips argyrospilus 63987 81786 64668*
Archips crataegana 73374*
Archips murinanus 5520* 29144*
Archips pronubanus 92149*
Archips xylosteanus 92220*
Archipsini 82634
Archiulus moreleti 29044
Archiv für Bienenkunde 23796*
Archytas 82421
Arcillite SEE Montmorillonite
Arcopagus 38129*
Arctia caja 5519 82758 64638*
Arctia villica 29699*
Arctiidae
anatomy and physiology 73833
Australia 73821
food and host plants 21368
Great Britain 55988 73813 82694
Japan 13012
Malagasy Republic 38515*
North America 55959
rearing and breeding 64607 82763*
taxonomy 55959 92581*
Arctiinae 55959
Arctium lappa 33405
Arctoclavelia n g 82602
Arctostaphylos 15818 32842
Arctostaphylos caucasica 15769*
Arctostaphylos uva-ursi 10598* 33472*
Arcularius H 27783*
Arcyophora sylvatica 92578
Ardisia 9750 41375
Area of production SEE Acreage and area; and SUBHEAD production regions UNDER name of agricultural products
Area Redevelopment Act 31805 85945

Item

Area Redevelopment Program 31805
Areca 29739 33111 33840 60342
Areca catechu SEE Areca cathecu
Areca cathecu
abnormalities 68220
biochemistry 344 88146*
breeding 70141
culture 9960 70142
diseases 344 345 24436
germination 9080
morphology 8710 8716
pollen 70141
yields 70119
Areca langlosiana 41439*
Areca nuts 75146
Arecoline hydrobromide 19999 20000 28061
Arenaria 41427
Arenaria fendleri 33606
Arenarin 86363*
Arenes J 41181*
Aretit 70035*
Argas 73559*
Argas brevipes 4927
Argas (Carios) 21072
Argas neghmei 4926
Argas persicus 55710 12416* 38042* 63873*
Argas reflexus 4927
Argas reflexus group 29296* 55677*
Argas tridentatus 29296*
Argas vespertilionis 21072 82148*
Argasidae 92002*
anatomy and physiology 82198 55652*
Ceylon 92038
Chile 4926
cytology 82147 55677* 82148*
taxonomy 38050* 82148*
USSR 12766* 55672* 64285* 64315*
Argasinae 29296*
Argemone mexicana 25238 59105 87329 89306
Argemone oil 66103
Argentina Comisión Nacional de Administración del Fondo de Apoyo al Desarrollo Económico 57214*
Argentina Instituto Nacional de Frutas Papas y Hortalizas 30896*
Argentina Junta Nacional del Algodón 22169*
Argentina Ministerio de Agricultura 15510*
Argentine ant SEE Iridomyrmex humilis
Argentochiloides n g 21364*
Argia 38561
Arginase 51447* 60280*
Arginine
in plants 88200 16933* 34265*
in poultry nutrition 45989 72489
in poultry physiology 20265 20266 28294
in turkey nutrition 72495
Argininephosphoric acid 82398
Argininosuccinate 87445
Argiopidae SEE Argyopidae
Argocoffea 50051*
Argon 5409 55203
Argynnis cydippe 64673
Argynnis selene 12996
Argyope bruennichi 55662* 82132*
Argyopidae 4960 38016
Argyresthia conjugella 81781*
Argyresthia ephipella 46537*
Argyresthia laricella 64608

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Item

Argyresthia pruniella SEE Argyresthia ephipella
Argyresthia sorbiella 29640
Argyria 12989
Argyroderma SEE Mesembryanthemum
Argyrodes 55655 64306 82142
Argyroploce 92608*
Argyroploce doubledayana 64640
Argyroploce schulziana 64640
Argyroploce variegana 20814*
Argyrotaenia 13021
Argyrotaenia pulchellana 21357*
Argyrotaenia velutinana 4682 55503 81758 82711
Argyrotoxa forskaleana 73799
Aricia 21396*
Aricia agestis 38470
Aricia allous 38470 21396* 12434*
Aricyl 72766*
Arid regions SEE Deserts; and SUBHEAD desert areas UNDER specific subjects
Arinolus 55659
Ariocarpus 86 67408 86415
Arisaema 32781 76966
Arisaema triphyllum 76970
Aristida 87253*
Aristida karelini 42457*
Aristohendelia SEE Hendelia (Aristohendelia)
Aristolochia 41377
Aristolochia durior 50066 67518*
Aristolochia elegans 759
Aristolochia sipho SEE Aristolochia durior
Aristolochia triangularis 68217
Aristolochiaceae 33691 89427
Aristotelia lutulentella 64696
Aritranis 38417
Arizona Agricultural Experiment Station
report 94942
Arizona Commission of Agriculture-Horticulture 41586
Arizona cypress SEE Cupressus arizonica
Arizona group SEE Paracolobactrum arizonae
Arkansas Agricultural Experiment Station 368
Arkansas University Cooperative Extension Serv 23485
Arkhangel'skii P P 15581*
Armada 73858
Armadillidium 21080*
Armadillidium nasatum 29272
Armadillidium vulgare 12777 29044 64310 55399*
Armatoleirides 29367
Armbruster L 23796* 49811*
Armed forces
food 14390 38969 39660 74443 83316 83371 93110 93140 93145 93151 39924* 48702*
land settlement 15119*
nutrition 58339
pest control 81452 81564
Philippines 76599
textiles 30807 84058
Armenian SSR Ministerstvo Sel'skogo Khozyaistva Nauchno-Tekhnicheskii Sovet 86257*
Armillaria 8449 41764
Armillaria matsutake 48404* 69195*
Armillaria mellea 388 414 24303 86779 16035* 33214* 33324* 41831* 67822* 86821*

Item

Armillifer armillatus SEE Porocephalus armillatus
Armoracia lapathifolia 42944 41974* 59979* 81682*
Armyworm SEE Pseudaletia unipuncta; Cutworms
Arnhem Bosbouwpraktijkschool 71163*
Arnhem Instituut voor Toegepast Biologisch Onderzoek in de Natuur 67277* 86252*
Arnhold F R 67201
Arnica montana 45369* 87866*
Arnold Arboretum 2 67320
Aroa 38490*
Aroga 21423*
Aroidothrips n g 5588
Aromatic compounds 1357 35192 35193 35208 50537 69181 37848* 42956* 65332* 75103*
Aromatic plants 1989 9956 24627 48823 78242*
acreage and area 65297*
biochemistry 60327*
credit 75870 75876
culture 70116
India 25991
mechanization 38637*
situation and outlook 66286*
statistics 47835*
Switzerland 17841*
Yugoslavia 78266*
SEE ALSO names of aromatic plants
Arrack 83678*
Arrenurus 4966
Arrenurus fissicornis 4940
Arrenurus globator 82120*
Arrenurus imperator 21064
Arrenurus madaraszi 38262*
Arrenurus ornatus 73546*
Arrhenatherum elatius 59316 8541* 88554*
Arrhenatherum thorei 68207*
Arrhenurus SEE Arrenurus
Arsanilic acid
effects on poultry 11869 12291 55066 72577 72614
Arsenamide 45747
Arsenates 60123*
Arsenic
determination 7974 22149 74411 38889* 47642* 93473*
effects on plants 51350 61432
in feed 11904 47642*
in food 74411 38889* 47642* 65096*
in lumber preservation 19174*
reviews 44988
in soils 7303 55167 60184
in sugars 31551*
in tobacco 7303 31601 51350
insecticides 20579
residues 60184 39977* 65096*
toxicity 27766*
bees 37851*
cattle 45695 27794*
turkeys 11959
Arsenic compounds
herbicides 25901 78229
in forestry 27133
insecticides 81711*
therapeutic use 3923 11370 27380*
Arsenic trioxide 10683
Arsenites 37809*
Arson 53457 71322
Art SEE SUBHEAD in art UNDER specific subjects

Item

Artemia salina 12346*
Artemisia
anatomy and physiology 25121*
biochemistry 41373 67425
control 9460
feed 72806
Pakistan 43874
taxonomy 41373 67425 41438* 58720*
Artemisia absinthium 92510
Artemisia dracunculus 61022*
Artemisia kurramensis 51516*
Artemisia monosperma 68247 73079
Artemisia sieversiana 88197
Artemisia tridentata 1591 18298 23939 46313 89316 89336
Artemisia tripartita 4994
Artemisia vulgaris 25933 51165 60314
Arterenol 1337 20114* 72446* 80694*
Arteries 36232
cats 28026*
cattle 11546 3423* 36567* 80380*
dogs 28059 80548 3682* 28037* 36829* 54560* 54574* 63087*
goats 4127
horses 72417*
poultry 91491 28351*
sheep 72847 63540*
swine 28638*
Arteriosclerosis
cattle 36536
poultry 3897 11915 91501 54770*
rabbits 80946
sheep 63477
swine 4285 81304*
turkeys 46041
Arteritis, horses SEE Influenza, horses
Arthopyrenia 60203
Arthritis
cattle 27878 62909 19836*
dogs 28010* 72340* 80560*
ducks 37080*
horses 54630*
poultry 3902 3913 28322
sheep 81291 81088*
swine 19836*
treatment 19836* 53950* 54630*
Arthrobacter 2138 34279
Arthrobacter globiformis 10064
Arthrobacter ramosus 78430
Arthrobotryomyces n g 67578*
Arthrobotrys 58786 90706*
Arthobotrys conoides 87585
Arthropleona 5643*
Arthropods
anatomy and physiology 63826* 92309*
and disease 4493 4507 4527 4549 20622 55352 81495 81527 81572 81580 81598 92029
conferences and congresses 37599 55307
Florida 37518
Malaya 81538
Uganda 63871
USSR 46399* 55257* 63864*
and plant disease 4356 4527
and viruses 55336
Antarctic Region 55641
as pests 4716 20622 28298 37480 81574

Item

Arthropods--Cont
as predators 20826*
Asia 82079
bibliographies 82079 82155*
bites 4559 81527
blood-sucking 91999*
breeding places 46399*
Canada 81574
Central America 82096
chemoreception 73663
collecting and preserving 12803
control
reviews 37501
development 12777 82181 4942* 29315* 64309*
ecology 29295 63986*
evolution 38046
geographic distribution
reviews 37955
Great Britain 92322
Greece 82155*
habits and behavior 37872* 82101*
Indiana 37486
insecticide resistance 4421 73110 63762*
Italy 92314*
Laysan 4871
life histories 29308 55653*
littoral 29308 92322
locomotion 38046
longevity 82181*
metamorphosis 21059 46803* 55682*
migration 73534
Minorca 21003*
myrmecophilous 21353*
nematodes 64317* 82159*
Pennsylvania 21019
protective devices 4916 4983 5558 46798 38055*
reviews 37988
stings 81527
surveys 28760 55995
Argentina 64013*
taxonomy 92296 29247*
venom
reviews 37988
West Indies 82096
Artichokes
anatomy and physiology 25150*
biochemistry 69166
culture 78135*
diseases 8600 24286* 33270*
grading and standardization 48415
marketing 65810
pest control 33109* 37663*
pests 46856 37662* 55492* 55493*
processed 65810
storage 33270*
varieties 34870*
Articularia quercina minor 67826
Articulospora 32970
Artificial insemination 19358 53746 90496 27223* 27225*
Apis mellifera 64201
asses
reviews 63127
Austria 53920*
Brazil 36149*
buffaloes 90840*
reviews 62536
Bulgaria 3158*
cattle 3239 3240 3273 3305 11415 11455 11456 11735 19644 19671 19927 27507 27584 36417 36466—36470 45410

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Item

Artificial insemination--Cont
cattle--cont
45448 54134 62603
62614 71895 80031
80085 80091 80092
80095 90836 91005
11394* 11420* 11426*
27538* 27572* 27577*
36396* 45402* 45425*
54127* 62578* 62712*
71908* 80050* 90848*
90864*
associations 36413*
36425* 90865*
Australia 3257 27519
27554 71941
Belgium 3315* 62567*
62621*
Brazil 71912*
Ceylon 80015
conferences and congresses 3287
Czechoslovakia 27537*
Denmark 54100*
France 19657*
Germany 27528* 27543*
27547* 27552* 71888*
71917* 80035*
Great Britain 36754
45444* 80007* 90863*
Hungary 54116* 71903*
Italy 19625* 45430*
Kenya 90829 90875
Malagasy Republic 90845*
Michigan 11430
Netherlands 71964
3298* 53749* 90830*
New York 36435
Norway 45408* 54119*
Poland 62587* 62611*
71959* 74273*
regulation 3265
reviews 62594
Rumania 36436*
Spain 62546
Sweden 45436* 79992*
Switzerland 71894*
71915*
USSR 11434* 11448*
45427* 54105* 54138*
62566* 62585* 71930*
71944* 80027* 90854*
Venezuela 3309*
Yugoslavia 62554*
80000*
conferences and congresses
79632 90507
dogs
reviews 62998
El Salvador 39893*
France 71905*
Germany 27552*
East Germany 71624*
79639*
goats 72775 4069*
53749*
reviews 63390
Great Britain 53758
history 11145*
horses 11813* 20065*
reviews 63127 63128
illustrations 19371*
laboratory animals
reviews 63185
poultry 11866 91367
91377 80709* 80710*
reviews 63207
rabbits 4014
reviews 62262 71620*
sheep 12068 46108
28410* 91629*
Australia 4038 63406
Bulgaria 63403*
Greece 4069*
Hungary 28431*
Poland 63407*
reviews 63396
USSR 4056*
Yugoslavia 80975*

Item

Artificial insemination--Cont
swine 12182 12188 20448
28557 63573 72914
91762 12174* 46172*
55001* 63567* 91758*
91768* 91774*
Ceylon 63561
China 28558*
Germany 72905*
Great Britain 12184
Japan 54998
Kenya 91753
Netherlands 37293
53749*
Poland 72929*
reviews 63568
Scotland 4192
USSR 20446* 28563*
37308* 72915* 72918*
72919* 91773*
Thailand 62255
Tropics
reviews 62266
turkeys 20121 20133
54687 80720 20119*
54695*
USSR 19371* 45174*
62263* 62265* 62271*
62275*
Artificial respiration 3162
72607 72341*
Artocarpus heterophyllus
34186
Artocarpus integrifolius SEE Artocarpus heterophyllus
Artvinia n g 47212
Arum 821 41440
Arum maculatum 43021
Arundinaria japonica SEE Pseudosasa japonica
Arundo donax 26585* 48256*
3-Aryl-2-aryliminothiazolid-4-one-hydrochlorides
41872*
Asarum europaeum 79914*
Asbestos 5928 5937
6512
Asbestos cement 26557
Asbolisiomyces n g 67579*
Asca 21073
Ascalaphidae 29788*
Ascariasis 79889*
cats 72296* 80532*
dogs 91243 91263 27393*
91236*
fur-bearing animals 28082*
63107*
guinea pigs 45865* 63187*
hamsters 11852
horses 28122 28093*
28096* 29097* 28125*
28828* 63157*
mice 28151
pigeons 54790* 91502*
poultry 28263* 63276*
72665*
control 11929* 28337*
diagnosis 72631*
treatment 11987*
12009* 63294* 72695*
91500*
rabbits 12052*
sheep 81047 46159*
swine 20482 12298*
28672* 55114* 73013*
control 28096* 28097*
immunization
reviews 46279
treatment 28707*
transmission
to man 35319* 40882*
53065*
turkeys 63319*
Ascaridia 27393*
Ascaridia galli 63303
11987* 28263* 28321*
63276* 72631*
Ascaris 36263 22441* 53065*
Ascaris lumbricoides 12298*
46159*

Item

Ascaris lumbricoides suum
11278 11852 20482
20490 45865 81047
reviews 46279
Ascaris suum SEE Ascaris lumbricoides suum
Ascaris vitulorum 45271
Ascarops strongylina 73025*
73644*
Ascelosidis 92372*
Aschersleben Institut für Phytopathologie 41588* 41646*
Ascia monuste 38496
Ascites 37083 45782 46001
Asclepiadaceae 32750 32782*
Asclepias tuberosa 68523
Ascobolus immersus 42420*
Ascocentrum 50041
Ascochilus 15749*
Ascochyta 9098 41548
245* 24362* 41775*
Ascochyta caulicola 59003
Ascochyta heteromorpha
86844*
Ascochyta hortorum 33270*
Ascochyta imperfecta 16818
24199 33264 59736
Ascochyta meliloti 59003
Ascochyta onobrychidis 41809*
Ascochyta pinodella 16093
424*
Ascochyta pisi 16093 424*
41809* 41912*
Ascocybe grovesii 16407
Ascoli Piceno Stazione Sperimentale di Gelsicoltura e Bachicoltura 4853*
Ascomycetes 1094 15857
24089 33688 41538
42318 304* 8298*
86576* 92522*
reviews 59017*
Ascorbic acid
chemistry 75109*
determination 74409*
75091* 83336* 83699*
effects on plants 9075*
24813* 88173*
effects on seeds 77822
effects on viruses 28262*
in animal physiology 11279
in apples 33846* 42943*
49730* 69273* 75091*
94829*
in Armoracia lapathifolia
42944
in Barbados cherries 67139
in barley 60164
in beets 76624*
in beverages 86073*
in blood 3967 36717*
in cattle physiology 54343*
91012*
in citrus 75115*
in corn 1339 59516*
in cranberries 76624*
in dairy products 7968*
in fats and oils 22672
in fish 76635*
in food 74510* 76623*
in food processing 65761
84645* 93875*
in fruit 22388 57030
14139* 39733* 51476*
94830*
in fruit juices 22396
49737 57027 75099*
75200* 83699*
in fruit processing 31024
48467 65813 93632*
94824*
in human nutrition 23690
58310 32462*
in insect nutrition 20985
in insect physiology 47223
in mangoes 42452
in meat processing 48717*
66061* 84689*
in milk 36760*
in mouse physiology 80678

Item

Ascorbic acid--Cont
in mung beans 69172
in pine needles 9314*
in plants 1349 51525
59960 67138 24774*
50950* 76639* 76644*
87628* 87889*
reviews 77786
in potatoes 49724 57104
84362 15471*
in poultry nutrition 11896
28227 45914 72492
72551 72575
in poultry physiology
54822 91356 91536
45996* 72595*
in rabbit physiology 91610*
in radishes 48339*
in rat physiology 80678
in redpeppers 22340*
in sauerkraut 31039*
in semen dilution 54130*
in sheep physiology 72817*
81132*
in squash 31048
in strawberries 1361*
31038* 39732*
in swine nutrition 46186*
in swine physiology 91920*
in tomatoes 991 30942
22340* 68520*
in vegetable processing
6708
in vegetables 6713
14166 48455 86079
67130* 76639* 76644*
93602*
in wheat 8521 34063*
34064* 34313* 69206*
in wine manufacture 13659
13645* 32462* 83699*
therapeutic use 28273*
62882* 91043* 91211*
L-Ascorbic acid SEE Ascorbic acid
Ascorbic acid oxidase 68972*
Ascorbigen 69188* 83336*
Ascu 2863
Asellus 4964
Asellus aquaticus 92342
Asellus meridianus 92342
Aseminae 82293
Ash (mineral) SEE Minerals
Ash (tree) SEE Fraxinus
Ashes 52774* 59965* 89722*
Ashley National Forest 35883
Asiatolaelaps n g 73556*
ASID 60 90639*
Asilidae
as predators 64671
82419 92445
Great Britain 38240
Greece 21245*
identification 82404
82354*
India 21210
Mediterranean area 82384*
nutrition 82363*
Poland 64461*
taxonomy 5173 73691
82832 21246*
USSR 12884* 73701*
92465*
Asimina triloba SEE Pawpaw
Asociacion Argentina Criadores de Cerdos 46288*
Asociacion Cafetalera de El Salvador 89409*
Asociacion de Ganaderos de El Salvador 36363*
Asociacion Latinoamericana de Libre Comercio 49585*
Asociacion Nacional de Productores de Trigo y Cereales 48500* 48501*
Asolcus basalis 38423
Asopinae 5217*
Aspalathus 58635 58636
Aspalathus acuminatus 69205

*Text of this reference is not in English.

Item

Asparagine 9256 16127 51563
Asparagus
anatomy and physiology 14148 16533 68632 42801*
California 48315
canned 6686
cooling 39772
culture 1863 17593 43656 52071 9820* 25847* 78174* 89179*
cytology 33627 87469
for processing 75153 93531
frozen 6686
fungus diseases 50360
genetics 87469 68512*
grading and standardization 75153
harvesting 17575 47428
pests 20787* 55436* 81660*
prices 93531
refrigeration 39745*
situation and outlook 93531
storage 14148
weed control 17725 52179 70011*
yields 17575
Aspartic acid 51563 7241*
Aspen SEE Populus
Aspergillosis
cattle 62938*
ducks 80857*
geese 37056* 37057*
horses 3767*
poultry 3960 11943 3896*
treatment 46053 37100* 54758*
Aspergillus 278 12613 33806 34137 41528 861* 10044*
Aspergillus flavus 18110 52610 61236 6040*
Aspergillus fumigatus 46053 3767* 3896* 69185*
Aspergillus nidulans 42227 42243 42428 42991 68518 87485 87486 88207
Aspergillus niger 52615 10029* 26080* 26082* 33269* 83671* 93628*
anatomy and physiology 59917 16517* 24894* 25031* 42477* 51056* 59883* 68689*
biochemistry 16955 835* 1370* 51479* 65202* 88111*
feed 63619*
morphology 57507 59523 835*
Aspergillus ochraceus 4883 57136
Aspergillus oryzae 835* 933* 16817* 42979* 93456*
Aspergillus parasiticus 29768*
Aspergillus restrictus 39805
Aspergillus sojae 1264
Aspergillus terreus 51561 51518*
Aspergillus usami 77434*
Asperthorax n g 82180
Asperulla scutellaris 32792*
Asphalt 24236 5663* 18503*
Asphodelus 8750*
Asphodelus albus 88593*
Asphodelus fistulosus 61012 84213
Asphondylia sesbaniae 29411
Asphondyliidi 38215
Aspidiotus perniciosus
control 29058 29069 20806* 73270* 73271* 73293* 92184*
biological 29069 46582 37713* 37735* 63975*

Item

Aspidiotus perniciosus--Cont
control--cont
New Zealand 12555
USSR 46557*
Italy 37738*
parasites 38327 38398 38345* 63975*
Aspidistra 812
Aspidistra elatior 77827
Aspidium aculeatum 51527* 60000* 60280*
Aspidosperma 86397* 86448*
Aspidosperma quebracho-blanco 9242
Aspidospermine 9242
Aspilaima n g 67580*
Asplenium 67531 41496* 42264* 50103*
Asplenium affine 67530
Asplenium ebenoides 199
Asplenium kentuckiense 197
Asplenium pinnatifidum 199
Asplenium ruta-muraria 41502
Asplenium spathulinum 67530
Asplenium trichomanes 58729
Aspongopus 38297
Assam Forest Dept 61710
Assay
in animal research 3907 3942 13914 27283 28264 36994 62363 74919 75528 80969 79723*
in dairy research 74754 74755
in entomological research 4432 13447 14070 37681 38902 63863 63718*
reviews 37469
in nutrition research 65070 74404
in plant research 1174 16143 16843 16936 25156 25917 33886 36994 42032 48982 50266 50424 60292 68861 68969 77654 86808 86810 90364 94004 24894*
in soils research 70078 44060*
Asses 36913 28089* 72402* 80625*
SEE ALSO names of anatomical parts, body fluids, diseases, and other pathological conditions, operations, parasites, and pests
Assessment 7407 23064 31744 49060 40356* 53017*
Associacão Brasileira de Lacticinistas 21997*
Associação dos Produtores de Sisal da Provincia de Moçambique 69453*
Associated Dairies 56676
Associated Scientific and Technical Societies of South Africa 58356
Associated Women of the Maryland Farm Bur 66978
Association Belge des Filateurs de Coton et de Fibres Connexes 83992*
Association Canadienne-Francaise pour l'Avancement des Sciences 67145*
Association for the Study of Animal Behaviour 4862
Association Nationale de la Meunerie Francaise 75262* 75299*
Association of American Feed Control Officials 39413
Association of Applied Biologists 15483 86102

Item

Association of British Manufacturers of Agricultural Chemicals 32486
Association of Food and Drug Officials of the United States 5965
Association of Official Agricultural Chemists 47674 93041
Association of Official Seed Analysts 84948 84949 84951
Association of Southern Agricultural Workers 75970
Association of Southern Feed Fertilizer and Pesticide Control Officials 41082 41083
Association of State and Territoral Health Officers 6318
Association of Veterinary Food Hygienists 54043
Association of Western State Engineers 2379
Associations SEE Organizations
Associazione Cotoniera Italiana 74939*
Associazione Italiana Lattiero-Casearia 93254*
Associazione per lo Svilluppo dell'Industria nel Mezzogiorno 75812*
Astata 55882
Astata xanthocera 5317*
Astathes 92350*
Astathes (Africastathes) n sgen 92350*
Astathini 92350*
Astegistidae n fam 29283
Aster 42223 9760* 70592*
Aster herveyi 76980
Aster macrophyllus 76980
Aster savatieri 77570*
Aster spectabilis 76980
Aster yellows 20738
celery 82513
legumes 55401
Asteraceae SEE Compositae
Asteridiella 50129
Asterinaceae 86598
Asterionella formosa 32925
Asteriscium 67474
Asternoseius 38020
Asterobemisia avellanae 38359*
Asterocampa texana 29652
Asterocyphella n g 15859
Asterolecanium phoenicis 81754
Asteroma 67632
Asteromella 32942* 67582*
Asterostomella 32979
Asthenarius SEE Psallus (Asthenarius)
Asthma 11773
Astilbe 9750
Astiphromma strenuum 5296
Astrabomyces n g 86551*
Astragalin 51471* 60319*
Astragalus 58648 41349*
anatomy and physiology 68325*
culture 88573*
cytology 50728
Himalayas 50013
morphology 838* 68299* 68314*
Pakistan 41351 50013
taxonomy 15762* 15787*
USSR 68754* 70129* 88573*
Astragalus ackerbergensis 68334*
Astragalus andreji 68864*
Astragalus bylowae 86439*
Astragalus densissimus 68322* 68323* 68333* 68334* 68925*

Item

Astragalus denudatus 68864*
Astragalus piletocladus 68322* 68323* 68333* 68334*
Astragalus pycnophyllus 68864*
Astragalus sinicus
anatomy and physiology 33983* 42320* 42861*
germination 33832* 42924*
hybrids 1621*
morphology 42319*
pollination 42862*
seeds 42860* 42924*
Astratodina 47258*
Astrobotany 49968 60175 71325 34157*
Astymachus 73792*
Asuntol SEE Bayer 21/199
A T 10 SEE Dihydrotachysterol
Ataenius 46884* 82317*
Atalophlebia 82896
Ataxia 20260 20276 27901 28352
Atelurinae 29816
Athalia 64536 92532*
Athalia glabricollis 63952*
Athalia rosae 64676*
Athaliini 64536
Athamanta macrophylla 17846*
Athenry Agriculture School 72472
Atherimorpha 73695
Atherix 5071
Atherosclerosis SEE Arteriosclerosis
Athetis 38519*
Athienemannia 46779
Athyrium 58728
Athysanus argentatus 5260
Atkinson G F 8338
Atkinsonia ligustrina 68347
Atlantic Coast Line Railroad 83431
Atlas of the Arab World and the Middle East 7458
Atlases 65270
Atmospheric pressure 21253 82309 90835*
Atomaria 82271
Atomaria linearis 37685*
Atomaria ruficornis 38089 55721
Atomic energy
and agriculture 7973 8000 49755 49873 53910 76694 15513* 76682*
conferences and congresses 49770
directories 58378
Atomophora macrophthalma 38350*
Atomoscelis 38300
Atony 27746* 53993*
Atoxyl SEE Sodium arsanilate
ATP SEE Adenosinetriphosphate
Atractina 32947*
Atractocerus reversus 4763
Atractotomus 29571*
Atractylis gummifera 33623*
Atraphaxis 15813*
Atrazine 17774 17818 25892 43831 52174 52190 52241 52315 52321 61105 1912* 1925* 1959* 9888* 18901* 25931* 35021* 43700* 43741* 44813* 47469* 60945* 60991* 60994* 61002* 61246* 61866* 70009* 70041* 70053* 70057* 70069* 70362* 89321* 89325* 89326* 89355* 89387*
application 52261
determination 93715
effects on plants 42931 51352 52174
residual effectiveness 60952*

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Item

Atrazine--Cont
residues 93715
Atrichopogon 64460 5079* 21228*
Atrichopogon oedemerarum 55805*
Atrichum 67543 68384*
Atriplex 1539
Atrobacchisa SEE Bacchisa (Atrobacchisa)
Atrococcus 92527
Atropa belladonna 8259*
anatomy and physiology 34154 35283* 60118* 68737*
culture 9942*
germination 25176*
morphology 8737*
Atropellis piniphila 9003
Atrophic rhinitis 37357 12264* 12268* 28704* 37348* 37418* 37419* 73001* 81239* 81278*
control 4277 63630* 72990* 91905* 91830*
diagnosis 28676* 55055* 63639* 63661* 91834*
Germany 46224*
Latvia 81283*
mice 91349*
Poland 63668* 81249* 91864*
prevention 37358* 37382*
treatment 37358* 91847*
USSR 37397* 55079*
Atropine 4135 36785 37216 54671* 71714*
Atropis hauptiana 43554*
Atta mexicana 73311*
Atta sexdens rubropilosa 5299* 28785* 46311*
Attacidae SEE Saturniidae
Attacus ricini 37947*
Attagenus piceus 81849 81861 46630*
Attalea exigua 25915*
Attalus 46909*
Attelabinae 38133
Attina' S 58418*
Attini 5299*
Attitudes 14662 32163 32342 49463 49572 49575 49576 49588 57671 66915 67021 76503 85945
Arkansas 49573
California 28897
Canada 58238
Corn Belt 32344
developing areas 75831
France 23220* 32343* 35459* 57633* 57980*
Germany 94666*
history 7836 85854
India 49570
Kentucky 15347
Lebanon 7840
Louisiana 7447
Massachusetts 76382
Michigan 21807
Mississippi 15295 74759 85953 85954
Montana 14734
Netherlands 40956*
New York 32167
Ohio 26326 26327
Oklahoma 65938
Pennsylvania 58241
research
statistical methods 31707
Texas 32345
Wisconsin 40838
SEE ALSO UNDER Children; Consumers; Extension workers; Indians; Women; Youth
Attractants, insects SEE SUBHEAD UNDER Baits and traps, insects

Item

Atylomyia 73687*
Atylosia scarboeoides 34525
Atylotus hamoni 55810*
Atylotus znojkoi 21175*
Atypidae 82186*
Atypus affinis 4923*
Aubrieta 9763*
Aubry test 6830*
Auchenodes joakimoffi 38337*
Auchenorrhyncha 38311 92496*
Carpathian Mountains 64500*
taxonomy 38390 38291*
USSR 38289* 64500*
Auchincruive Scottish Horticultural Research Institute SEE Scottish Horticultural Research Institute
Aucoumea 19236*
Auctions 6929 14364 14541 22924 94097
Canada 84654
Europe 6663
Florida 93843 93862
Georgia 40209
Louisiana 57255
Missouri 75419
Morocco 53687*
New Zealand 6546
Oklahoma 31265
Poland 66024*
Republic of South Africa 30867
SEE ALSO SUBHEADS marketing; shows UNDER specific subjects
Aucuba japonica 33147*
Aucuba mosaic 50501
Audio-visual aids 49512 58149 66994 49484*
SEE ALSO Visual aids
Augers 5719 13168 82979 13216*
Augochlora pura 21346
Augustine Saint 67186*
Augustsonella n g 4955
Aujeszky's disease SEE Pseudorabies
Aulacaspis 82562
Aulacaspis tubercularis 12945
Aulacomnium androgynum 58746
Aulaconotus pachypzoides 82311*
Aulacorthum 29533
Aulacorthum circumflexus SEE Myzus circumflexus
Aularches punctatus 92641
Aulexis 21113
Aulonothroscus 82239*
Auramine 33742
Aureobasidium 50124
Aureocramboides n g 5351
Aureomycin SEE Chlortetracycline
Aureovin 12 72960*
Auricula lutea SEE Primula auricula
Aurofac 20453* 28310* 28575*
Australelis SEE Trielis (Australelis)
Australia Apple and Pear Board 15351
Australia Bur of Agricultural Economics 22956
Australia Canned Fruits Board 14135
Australia Commonwealth Scientific and Industrial Research Organization 56455
Chemical Research Laboratories 22823
Dairy Research Sect 13835
Div of Food Preservation 6041 56467
Div of Forest Products 79487
Research Div 21874

Item

Australia Dairy Produce Board 30442
Australia Dried Fruits Control Board 22414
Australia Egg Board 40083
Australia Forestry and Timber Bur 2562 79083
Australia Meat Board 22552
Australia Tariff Board 90291
Australia Wheat Board 6745 84408
Australia Wine Board 30344
Australia Wool Bur 22175
Australia Wool Research Committee 6456 83994
Australian Dried Fruits Association 39728
Australian Pulp and Paper Industry Technical Association 71507
Australian Sugar Year Book 48907
Australiseiulus n g 4941
Australoconops n g 5074
Australodynerus n g 82599*
Australomochlonyx n g 82377
Austria Bundesministerium für Land- und Forstwirtschaft 90028*
Austria Forstliche Bundesversuchsanstalt Mariabrunn SEE Vienna Forstliche Bundesversuchsanstalt Mariabrunn
Austrian pine SEE Pinus nigra
Austrobrillia n g 12874
Austrocladius n g 12874
Austrocylindropuntia 86420*
Austrogerrhus n g 47066*
Austroleptis 73695
Austrolimnophila 38157
Austrosaropogon (Daptolestes) n sgen 82382
Austrosimulium anthracinum 64465
Austrotortrix postvittana 12590
Austrotyla n g 21039
Autarcontes 46877*
Autographa confusa SEE Macdunnoughia confusa
Autographa gamma 5542 38463 64657 12998*
Autographa nigrisigna 82720*
Automation
animal industry 21573 64805 82981 21557* 21558* 73995*
dairy industry 48036 48075 64796 65496 65504 65515 65516 65530 65538 65543 56800* 93398*
farms and farming 5701 47486 56080 21543* 47289* 64981* 66480* 73992* 82984*
feed industry 21647*
food industry 5962 39075 47804 21881* 66057* 66058*
forestry 79156*
greenhouse culture 30073* 47573*
horticulture 13151
insecticide application 63819
irrigation 10402 26405 70814*
lumber industry 45016 44948*
sawmills 10921 35942 90335 10918* 62069*
sugar industry 22884 31578*
textile industry 6564 56868 56906 74877
woodworking 62069*
SEE ALSO Mechanization

Item

Automeris 12988 5342*
Automobiles 5827 56248*
Autopsies 3185
cats 3696 19990*
dogs 3696 19990*
poultry 20189*
rabbits 63378
sheep 63496
Autoradiography
in animal research 37010 37011 73660*
in entomological research 63705 82449 73660*
in forestry research 16504
in insecticide research 81662*
in plant research 16844 33612 86333 88074 6* 68651* 77611*
in virus research 63147
Autoserotherapy 72326*
Autotomy SEE UNDER Insects
Autumncrocus SEE Colchicum
Auxanometers 26791*
Auxins SEE Growth substances
Avadex 17792 25938 42271 78176 89261*
Avalanches 19032* 19065* 26938* 61975* 61976* 90265*
Avena 86469*
anatomy and physiology 1267 9141 24910 33940 42474 42496 51016 60068 87652
culture 34421*
cytology 901 16374 42258
disease resistance 901
fungus diseases 59007
genetics 901 16426 68519
germination 51016
hybrids 16426
varieties 34421*
Avena abyssinica 16426
Avena fatua
anatomy and physiology 16843 42475 42881
control 8932 25902 25903 25938 35003 35026 43678 43781
Austria 25925*
California 17691
Canada 1939 43686 43717 43757 78176 17728* 60959*
Denmark 89335*
France 52287*
Germany 25878* 60944* 70010* 89261*
Great Britain 9871 34953 34998 35007 43712
North America 34992
Sweden 89349*
USSR 9910* 52214* 60982* 60983* 60988*
France 67413*
fungus diseases 422*
genetics 42406*
germination 1047 33825* 42466*
hybrids 69427
Norway 9917* 43815*
seeds 1273 7199 422*
Sweden 9883*
Avena ludoviciana 25902 42881 33825*
Avena sativa SEE Oats
Avena strigosa 16426
Avian diphtheria SEE Fowl pox
Avian encephalomyelitis SEE Epidemic tremor
Avian hysteria 20221
Avian malaria 54800 72632 37603*

*Text of this reference is not in English.

Item

Avian malaria--Cont
causes 28261 37069 63331
ducks 12007 20261
treatment 80804
Avian monocytosis SEE Blue comb
Avian typhoid SEE Fowl typhoid
Avicennia 35146 16202*
Avicennia marina 8227
18911 27144
Avicennia nitida SEE Avicennia marina
Avicennia officinalis 10742
24661
Avicenniaceae 86476
Avitaminosis SEE Vitamins; and SUBHEAD deficiency diseases UNDER Livestock and names of animals
Avitellina 46413* 91724*
92022*
Avocado oil 40066
Avocados
anatomy and physiology
1165 33844 42494
42565 42688 42756
42805 43387 68561
68975
Australia 48313
bibliographies 9606
biochemistry 34262
88107
breeding 43377 78058
California 43380 43389
Caribbean area 43395
contamination 55546
cooperatives 14081
culture 49494 61469
69728 78094*
cytology 87255*
disease resistance 43395
50520 78058
diseases 372
enzymes 88107
fertilizers 35291 61423
68975
fungus diseases 41755
41933 50432 58943
harvesting 47426
injuries 41708
irrigation 10376 18462
44372 68975
Israel 42756
Morocco 84180*
nutritional deficiencies 25081
pest control 46569 12576*
81778* 92165*
planting 43391
pollination 25584*
propagation 43379 43394
78050*
pruning 51917
ripening 65775
rootstocks 42565
soilless culture 42494
soils 44498
storage 65775
trade 23585
varieties 43392 43395
virus diseases 50520
yields 43387
Awards
Canada 32153 94348
66573*
India 85514
Israel 36419*
New Jersey 66561
Republic of South Africa 36227*
Sweden 80612* 91333*
al-Awwam I Kitab al-falaha 53865
Axonopus 86487*
Axonopus affinis 43748
Axonopus micay 24384*
88535*
Axonopus scoparius 24384*
62338*

Item

Ayenia 41317*
Aylax hypochoeridis 82585*
Aylostera deminuta 58622*
Aylostera pseudominuscula 58622*
Ayrshire Cattle Society of Gt Brit and Ireland 62531
Azadirachta indica SEE Melia azadirachta
8-Azaguanine 8596
Azalea 52057*
anatomy and physiology
24984 33836 33857
77720
culture 17488 34784
60765 9696*
Delaware 32759
fertilizers 35394 10167*
fungus diseases 59028
propagation 1762*
soils 33857
taxonomy 9696*
varieties 34784 52061
89096
Azalein 69193
6-Azauracil SEE as-Triazine-3,5(2H,4H)dione
Azauridine 28328
Azemius n g 82246*
Azeotropes 93913
Azerbaidzhanskii Nauchno-Issledovatel'skii Institut Gidrotekhniki i Melioratsii 44331*
Azidin SEE Berenil
tris-(1-Aziridinyl)phosphine oxide 74966
Azolla 9086
Azolla imbricata 8265
Azolla pinnata 34160
Azorella antipoda 23950*
Azotobacter 2139 2164
44056 70343 70375
78406 89549 2166*
25163* 26095* 26115*
44002* 44035* 44043*
60102* 61188* 68964*
70329* 70360* 70370*
70371* 70399* 78426*
78440* 78443* 78446*
78455*
Azotobacter agilis 26098
26108
Azotobacter chroococcum
44036 26116* 70323*
70350*
Azotobacter suis 62316*
Azotobacter vinelandii 18082
35184 35203 52616
52618 78415 18123*
26116* 78428*
Azotobacterin 10068* 10091*
26115* 35188* 61231*
61241* 79346*
Azoturia 36892* 45826* 54642*
80632*
Azotus 38327
Azrectic acid 85125
Aztec tobacco
anatomy and physiology
16544 42740 51183
88073*
biochemistry 34279
43050
breeding 17273* 88798*
culture 35376
cytology 33744
fermentation 57581*
fertilizers 35321 35376
35424
grading and standardization 14640*
hybrids 16453 25527*
88798*
labor 23118*
pollination 88798*
processing 92883*
proteins 88073*
quality 35376 35424

Item

Aztec tobacco--Cont
virus diseases 33381*
yields 35321 35376
35424
Azygophleps scalaris 73255

Baarn Phytopathologisch Laboratorium "Willie Commelin Scholten" 58887*
Babcock test 74703 74739
Babesia 80253*
Babesia argentina 27694
63850
Babesia bigemina 11559
28862 91052*
Babesia bovis 80356
Babesia caballi 3762*
Babesia colchica 91052*
Babesia divergens 53863*
Babesiella SEE Babesia
Babesiosis SEE Piroplasmosis; Tick fever
Babiohaltica 82215*
Baboons 37285*
Baby foods 39654 49652
65206 93667*
analysis and composition 6253
canned 13527*
contamination 74419*
marketing 6676*
processing 56493 56494
21873*
Baby pigs
abnormalities 46273
anatomy and physiology
37388 46263 63658
81254 81317 4252*
12237* 12242* 12260*
37362* 37419* 55120*
63654* 72992* 91896*
91901* 91907* 91912*
care 4292 5861 37383
37395 46300 63684
20537* 37329* 54994*
65001*
Australia 28562
Germany
East Germany 28729*
Great Britain 91932
Hungary 28730*
Italy 28731*
New Zealand 4286
81288
Republic of South Africa 81238
USSR 56109 72981*
73052*
deficiency diseases 12265*
28706* 37375* 55130*
63649*
prevention 20477
28664 55057* 63613*
treatment 46248*
55099* 63644* 81319*
disease resistance 28646
37368 46258 63658
63697 63680*
diseases 28680 46273
55144 63617 4259*
28675* 37365* 46260*
55093* 63650* 91896*
diagnosis 4243* 73022*
prevention 91835*
91867*
treatment 46274 73014
feeding and nutrition 4212
4217 4223 12192
12200 12221 12224
19761 20472 28576
28628 28729 28733
37316 37317 37408
46179 46206 55017
55018 63595 63599
72958 73003 81190
81210 91832 4206*
4225* 12210* 20474*

Item

Baby pigs--Cont
feeding and nutrition--cont
37329* 46214* 63575*
63597* 72963 *72981*
81176* 81203* 81232*
91907* 91912*
Austria 55046*
Bulgaria 37324*
Czechoslovakia 91910*
deficiencies 46203
46208 63629 81296
12194* 28636* 72937*
91861
Denmark 91811*
Germany 46188*
East Germany 12214*
20478*
Great Britain 55034
Hungary 28608*
pasture and range 91876
Philippines 55019
Poland 91818* 91823*
reviews 45862
Sweden 46192*
USSR 11530* 28607*
63584*
Yugoslavia 28575*
28614* 63582*
growth 12200 55034
73035 81348 91832
28575* 28585* 28607*
28608* 46250* 55119*
55134* 72998* 73011*
81176* 81203* 81275*
91823* 91901*
immunization 12289
91921 91922
industry 4300
infectious diseases 4281
12243 37383 37408
55083 63653 4236*
12306* 28647* 28676*
28709* 37397* 37399*
37419* 46269* 55094*
72997* 91913*
prevention 12235
91886*
treatment 81250 55087*
losses 4254 4293
30043* 46260* 72937*
mortality 4286 46228
73015 28633* 91914*
parasites 73009* 73013*
statistics 14434
viability 37395 81296
55022*
virus diseases 46239
63646 28640* 37347*
55071*
weaning 12289 20455
28628 46179 55018
55019 55020 55034
81238 81348 91767
4206* 12210* 28607*
63582*
weight and measurement
73003 81254 91767
4240* 72928* 72978*
81308* 91839*
Bacchisa 46816* 82225* 92350*
Bacchisa (Atrobacchisa) n sgen 92350*
Bacchisa (Bulbobacchisa) n sgen 92350*
Bacchisa (Fasciatobacchisa) n sgen 92350*
Bachman J 58398
Bacidia 33018*
Bacillariophyceae 86541*
Bacillary hemoglobinuria SEE Red water disease
Bacillus 22577* 82715*
Bacillus anthracis 62410
90752 20109* 27327*
27365* 27398* 27399*
27471* 28146* 62438*
90959* 91350*
Bacillus cereus 4369 4893
82107 36738* 46728*
83352*

*Text of this reference is not in English.

Item

Bacillus coagulans 39640 83343
Bacillus dendrolimus 46639* 55592* 64115* 81898*
Bacillus larvae 4822 12699*
bibliographies 20970
Bacillus lentimorbus 20562*
Bacillus megatherium 60041*
Bacillus mycoides 59042
Bacillus phytophthorus 86756*
Bacillus pluton SEE Streptococcus pluton
Bacillus polymyxa 41955 52598
Bacillus popilliae 20562*
Bacillus stearothermophilus 83330 85039*
Bacillus subtilis 56 70393 83343
Bacillus thuringiensis 4369 4391 4433 4653 12383 12742 20600 20602 21345 28959 37671 46460 47156 47157 55457 63759 64089 73250 73367 73460 81402 81896 20573* 28974* 37618* 38525* 46457* 46598* 46708* 55398* 63718* 63744* 63761* 63766* 64203* 64204* 73319* 92128*
Bacillus thuringiensis sotto 73113
Bacitracin 19415 45229 46215 74899 79700 80728
Backflash
Pinus resinosa 19039
Backhousia angustifolia 59811
Backrubbers 20639 55263
Bacon
analysis and composition 12230*
bacteria 48622 47646*
curing 22641
cuts 31285
industry 40023
irradiation 14418
judging 22609
marketing 6931
packed 14387 57285
quality 39963 66043 4229* 28560* 46167*
statistics
Australia 6990
Great Britain 83581
study and teaching 6869
waste 66088*
Bacteria
aerobic 3088 6811* 27471* 30580* 37261* 44059* 47744* 61233* 84619*
aerogenic 3473*
anaerobic 19666 27323 62778 80733 3145* 6811* 13724* 54919* 54938* 62415* 70332*
anatomy and physiology 3155 50444 87629 54012*
antibiotic resistance 20228 37049 44048 54766 26106* 27775* 29049* 44011* 55091* 72986*
reviews 27306
biochemistry 9239 62846 88203 36611* 44014*
cellulolytic 18076 35204 37242
coliform 6236 6238 62876 3473* 6381* 13759* 22036* 30634* 39917* 53968* 55094* 56651* 65392* 65418* 74746* 83796* 84201* 90755*

Item

Bacteria--Cont
culture media 65407 3195* 44020*
cultures 3123 3429 5362 11299 13726 13893 19502 22096 38895 45951 45958 71800 83780 6230* 11655* 19547* 27260* 50441* 53815* 62304* 62305* 62387* 72253* 78428* 79864* 80231* 83352* 90968* 92252*
freeze-drying 18092 61191*
entomogenous 73671
enzymes 13715 6890* 22102* 30526* 74721* 89553*
feed 72581
halophilic 70361*
identification 41943
lyophilization 44061* 50470* 61191*
morphology 44014*
mucinolytic 3425
nitrogen fixation 2151 10071 35189 52598 52610 52617 52618 70351 70375 26101* 35187* 61193* 61195* 70332* 70352* 70371* 70387* 78423* 78443* 89536*
nodule 2148 10065 10078 18057 18086 18100 18109 25218 52586 52594 52619 52622 52627 61237 61243 61245 70351 70389 78421 89564 18070* 26101* 26110* 26134* 44057* 61191* 61204* 61210* 61229* 61250* 61251* 61350* 68925* 70352* 70365* 78432* 87713* 89535* 89536*
pathogenic 84184 11340* 30520*
to insects 4369 28812 29050 73519 73617 92167 28974* 37500* 46728* 64079* 82715*
protein synthesis 13893
proteolytic 47657* 74693*
psychrophilic 13748 40124 74745 65499* 83787* 84604*
saprophytic 9042* 63638*
taxonomy 532 78462*
thermoduric 39291 74732 31245*
thermophilic 5940* 93322*
viability 55281 27290* 27411* 29049* 39922* 46708* 48637* 56665* 62438* 62464* 91998*
SEE ALSO names of bacteria; and UNDER specific subjects
Bacterial blight
beans 33361
cotton SEE Angular leafspot, cotton
Euphorbia pulcherrima 50437
Juglans 16104
Morus 24254
Bacterial canker
plums 78078
Bacterial diseases SEE names of diseases and organisms; and UNDER Plants and names of plants
Bacterial leaf spot
Pelargonium hortorum 77204

Item

Bacterial spot
peaches 16055 16110 24385 33352 59100
redpeppers 533 24395 59101
tomatoes 533 86979
Bacterial wilt
alfalfa 50443
bananas 86986
corn 59103
potatoes 8565
tomatoes 8561 59099
Bactericides 77140 19608* 19609* 48334* 83650* 83888*
bibliographies 41091
regulation and inspection 8006
SEE ALSO names of bactericides
Bacteriology 13747 15515 11362* 94867*
Bacteriophages 4835 4893 11567 13848 19917 36293 39389 45320 53991 55059 59110 65396 65502 65518 80437 89549 36233* 53962* 53967* 59143* 62459* 80323* 91078*
Bacteriostats 73519 31188*
Bacteriotropin SEE Antigens and antibodies
Bacterium coronafaciens 16102
Bacterium eurydice SEE Achromobacter eurydice
Bacterium gracile 39140* 83697*
Bacterium malvacearum 24386 24390 41947 67954 67955 67956 67962 67963 67966 67979 50458*
Bacterium tumefaciens SEE Agrobacterium tumefaciens
Bacto-strips 83338 3473* 13759* 65385* 65418*
Bactrodesmiella 86549*
Badhamia decipiens 8291
Badister 4977 38123*
Baeria leptalea 16210
Baermann's method 46262*
Baetidae 73883 73915
Baetis 73883
Bafutia n g 67404
Bagasse
ammoniated 22129
analysis and composition 22825
feed 12225 22129 27627 62637
fuel 40158 40163 7276*
hydrolysis 31550*
processing 22129 22874 40158 40171
research 66240
tests 57532
utilization 7290 14622 22845 31542 48917 66240 7272* 30810* 31574* 75761*
Bagrada cruciferarum 29581 92560
Bags 14126 56909 7273*
Bahamas Agricultural and Marine Products Board 7971
Bahia 41380 88133
Bahia grass SEE Paspalum notatum
Baiburtsyan method 19613*
Baiocis n g 82232
Baird A B 67238
Baits and traps
arachnids 64295
dogs 81119
gophers 26924

Item

Baits and traps--Cont
insects 4555 4567 5214 12340 12803 20662 21239 28781 37571 37967 38006 38185 46867 55306 55537 55749 55835 55846 64239 64422 64529 73072 73106 73239 73267 73351 82515 12749* 20857* 21004* 37439* 38266* 46734* 46846* 47155* 56035* 64436*
attractants 4450 4464 4709 4732 9216 20835 21452 28831 28832 29060 55596 63717 73142 81503 81735 81849 82111 82496 82661 82728 82729 82764 92312 20817* 29096* 55805* 55927* 64023* 64685* 82352* 82916* 92183*
reviews 28787*
light 4993 5028 5383 5409 5508 13032 20838 21012 21431 28981 37739 38462 38493 38514 46324 46336 46741 46745 46759 47153 55229 55637 55962 64247 73298 73312 73514 73667 73829 82104 21009* 21187* 28778* 29246* 38112* 46583* 46729* 47192* 55597* 64620* 73090* 92315* 92621*
suction 21431 29248 37964 73533 73740 92424*
mites 21068
rodents 31127 31181 41644 50151 67736 67739 79365 8366* 41126* 41716* 56035* 64933*
SEE ALSO SUBHEAD trap trees UNDER Forests
Bajri SEE Pearlmillet
Bak n g 29327
Bakanae disease
rice 9294 24295
Baker Federal Reclamation Project 70831
Baker M S 41187
Bakery products
cookery 67121
fortified 15464
frozen 83522
ingredients 13664 13774 65432 74765 74760*
marketing 75359
pest control 29117 64044 73355 92210
quality 57207
terminology 13448*
SEE ALSO Bread
Bakker K 58441*
Bako 5221
Balance Agriculture with Industry Program 40271
Balance of nature 33468 46468 63737 86111 86130 91947 28774* 46568* 49411* 73082* 73117*
Balance sheet of agriculture 7489 7490
Balanced farming SEE Farm and home planning
Balaninus 82274*
Balaninus elephas SEE Curculio elephas

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Item

Balanium 8296
Balanococcus n g 92527
Balanogastris kolae 81790*
Balanoposthitis 27549* 62723*
Balanops australiana 53711
Balanowithius n g 92317*
Balansia 8730
Balantidiasis 12246 46277 37361*
Balantidium coli 46277
Balata 75682
Balclutha 38289* 64499*
Balds 709
Balduinia angustifolia 32775
Balers 38702 64879 74123*
SEE ALSO SUBHEAD baling UNDER names of crops
Ball clover 1992
Ballinacurra Cereal Station 69337
Ballodillum n g 21080*
Balocha 47025
Balsa SEE Ochroma
Balsam fir SEE Abies balsamea
Balsam wooly aphid SEE Chermes piceae
Balsampear SEE Momordica charantia
Balsams 19289*
Balthasarella n g 46875*
Balzac H de 85807*
Bamboo
analysis and composition 30878
anatomy and physiology 75798* 77702* 77703*
building material 13380
culture 1825 1983 9975* 32766*
diseases 15911 32974* 64084*
ecology 701 77339*
India 24006
pest control 29155 64084*
pests 46889*
processing 30878
propagation 9930*
properties 48251
pulp and paper 9936
pulpwood 30810* 75798*
taxonomy 32810
utilization 6560 44973 78789 14002*
Bambusa 87349
Bambusa arundinacea 8769
Bambusa heleconia 88013*
Bambusa macroculmis SEE Dendrocalamus macroculmis
Bambusa nutans 48251
Bambuseae 25723 50047 89034
Bambusoideae 88013*
Banahaona n g 5221
Banana fiber 39476*
Banana flour 45896*
Bananas
abnormalities 59435
analysis and composition 14059 39709 45896*
anatomy and physiology 979 34187 50394 51089 68583 59413*
bacterial diseases 50451 55478 86986
biochemistry 1342 14059 69245
care and handling 57015
containers 48422 65769 39721* 48416* 65763*
culture 51913
Ecuador 86634*
Fiji 34617
Honduras 88869
India 43384
Malaya 43386
New Zealand 25581
Thailand 25593*
USSR 59413*
cytology 50803

Item

Bananas--Cont
disease resistance 378 50294
diseases 51913 86621 46566* 86634*
fertilizers 78570 78571
flavor and odor 39709
fungus diseases 378 436 8492 15978 33265 37747 50263 50294 50312 67869 77112 86758 86851 86936 32978*
Australia 381 470 471
Central America 8493
control 384 385 464 41839 50394 86892 8414* 15974* 33153*
Italy 8414*
Jamaica 86850
Malagasy Republic 77135*
Papua and New Guinea 8418
genetics 1342 50803 50894
harvesting 57015
history 65685*
hybrids 9595*
industry 75085
Australia 93530
Colombia 84145*
Ecuador 22288 56927*
Surinam 39629*
Jamaica 8491 69719
losses 39667* 39721*
marketing 39677 57015
molds 39705
morphology 42314 24599* 87258*
nematodes 24468 50524 51090
nutritional deficiencies 51090 68888 77579 87987 25012*
nutritive value 48464
packed 57015 39719* 48416* 65763* 75191*
pest control 55502
Australia 4704
Costa Rica 81809
Ecuador 86634*
Honduras 29089 55479
Indonesia 73306
pests 12532 46574 51913 4702* 46566*
planting 17314 34615*
propagation 1686* 42735*
properties 84186*
refrigeration 75191*
ripening 14059 48464
situation and outlook 30898* 48371*
soils 78570 25012* 44075*
spoilage 39705 39752*
spraying and dusting 384 41839
storage 14059 48464 39721*
diseases 31036 75179 84358 39752* 48448*
tests 84186*
trade 7915 67058 75085
transportation 39667*
by truck 39684*
by water 22355* 39670* 39721* 48362* 84243*
varieties 34187 68583 65685*
Australia 25587
Congo 1686*
Fernando Poo 25591*
Israel 86621
virus diseases 12534 24420 67981 87082*

Item

Bananas--Cont
waste 30961
yields 78570 78571
Banca Nazionale dell'Agricoltura 85199*
Banco Agrícola y Pecuario (Venezuela) 85200*
Banco Central del Ecuador 21875*
Banco de Fomento Agropecuario del Peru 84578* 85201*
Banco de Guatemala 75814*
Banco de la República (Colombia) 94173*
Banco do Estado de São Paulo 75867*
Banco Nacional de Crédito Agrícola 57667*
Banco Nacional de Crédito Cooperativo 14703
Bandages 19494
Bandakia 46779
Bangalaia 92360
Bangalaia subcallosa 92386*
Bank of Greece 85202
Bankia australia 35959
Banks and banking 31706 57677 57694 40329*
Australia 7393 14715 23026 23031
Brazil 75867*
Canada 23029 23030
Colombia 14697* 23000* 94173*
conferences and congresses 23020 85221
cooperatives 85230* 85238*
credit 7397
France 31705*
Germany 85223*
East Germany 94177
history 31730
India 14711 85225
Iran 7378
Iraq 40310
Italy 23009* 85199*
Kenya 23017
Mauritius 14707 23019
Mexico 57667*
Ohio 75869
Peru 85201*
policies and programs 57702
public relations 32187
Republic of South Africa 66409
Rhodesia and Nyasaland 7389
services 7379 7390 31708 40324 49025 57684 57692 75874 75886 85209 94176 94182 94187 31712*
California 32169
Great Britain 14713
Mexico 49023*
situation and outlook 31715 57672
study and teaching 31729
Sweden 66414*
Tanganyika 75881
Turkey 14718*
Venezuela 85200*
Banks Sir J 58506
Banksia serrata 17482
Banvel D 43792
Baptisia 33755
Baraeus 92360
Barathra brassicae SEE Mamestra brassicae
Barathrodes n g 82246*
Barbacenia 86507
Barbaceniopsis n g 86507
Barbados cherries 25582 34233 51918 78044
Barbados Sugar Industry Agricultural Bank 14696 22996

Item

Barbane 8932 9871 17676 25883 25903 34106 35003 35007 35026 43678 43781 78176 52214* 60988*
Barbara osmana 92231*
Barbarea vulgaris 52294
Barbaropus 21155* 82342*
Barbero G 49356*
Barbitistes serricauda 92644*
Barbiturates 45828 63020 91346*
Barbituric acid condensation test 30135 75496
Barbula 8268
Barbula gigantea 816*
Bareogonalos canadensis 82646
Baris 55727
Baris coerulescens 64375*
Baris cordiae 55490
Baris ruteri 92356*
Barium 3938 36302* 45334*
Barium sulfate 3654* 91703*
Bark 1794 10988 11073 50382 11114*
analysis and composition 19322 53711 79605 19329*
chemical products 11060 2945* 19293* 27144*
chemistry 2997 11112 62216* 69200* 90457*
extractives 19280 19285 19328 36127 36129 53666 53670 90454 11054*
measurement 18809 90106*
moisture 68819*
mulch 89797
properties 53719* 53773*
removal 10926 20922* 27046*
chemical 27133 35761 36027 19126* 71353* 71354* 71393*
equipment 35925* 35941* 71395* 71396* 90315* 90324*
Canada 27002 27004
Czechoslovakia 71356*
Germany
East Germany 71365*
utilization 2884 11074 71556 90429 2976*
SEE ALSO UNDER names of trees
Bark beetles
anatomy and physiology 55763 64080 20921*
and plant disease 20878 37816 64073
as pests 12654 63916*
control 4756 37814 55560 55580 64073 64080 92243 37809* 64078*
biological 82637 64094*
India 4771
USSR 20921* 92180*
Wisconsin 4767 20927
Czechoslovakia 92232*
eggs 29310
geographic distribution 29390*
habits and behavior 20921* 82308*
identification 82327 29390*
parasites 5326 29310 29381 82325
populations 4776* 64364*
rearing and breeding 21128
research
statistical methods 64364*
taxonomy 12843
Turkey 64379*

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Item

Bark beetles--Cont
USSR 12805*
SEE ALSO Scolytidae
Bark measles
pears 24122
Barleria 156 32819*
Barley
abnormalities 59514*
acreage and area 14282
analysis and composition
6846 8932 31109
39179 39844 57143
93714 6778* 6790*
6794* 6799* 6800*
6832* 14302* 14313*
39846* 84433* 93744*
anatomy and physiology
1015 1222 1229
8841 8854 9094
9126 16503 16647
24929 32683 34031
34135 42550 42749
42880 42914 42930
50922 59932 60164
60186 68581 68650
69134 69152 77457
87512 87680 87703
87793 9034* 9154*
14297* 16672* 16704*
16810* 31101* 33856*
33978* 34120* 34242*
42504* 42586* 42667*
42715* 42753* 59510*
59514* 59673* 59969*
60200* 68791* 68800*
68807* 68823* 69157*
77562* 77743* 87477*
87490* 87911*
bibliographies 1011
awns 17022
bacteria 11920 84481
biochemistry 1330
1357 42959 43047
60351 25250* 33856*
59673* 69236*
breeding 9402 50898
Arkansas 1515
Canada 51645*
France 1456*
Germany 9406* 25315*
43159* 51705*
Great Britain 1452
Hungary 1497* 77885*
India 34420
Netherlands 77896*
Rumania 88351*
Sweden 1469*
Switzerland 12474*
USSR 25360* 25380*
43126* 59510* 69396*
92138*
Yugoslavia 59708
contamination 91812*
costs and returns 58027
76274 94525 23373*
culture 8808
Arizona 17023
Czechoslovakia 89804*
Denmark 17024*
Europe 31109
Finland 9379*
Germany 9406*
East Germany 88334*
Great Britain 1504
India 77852
Netherlands 17090*
43164* 43165*
Norway 88445*
Spain 88406*
Sweden 1517*
USSR 18400* 88428*
89800*
cytology 16282 33733
59532
disease resistance 9347
17048 25303 42382
42397 42399 51667
1469* 88351*
diseases 32683

Item

Barley--Cont
ecology 69397*
enzymes 6824 39845
feed 3884 4215 11920
11921 20145 28615
36517 45519 45921
45930 80132 80175
20277* 37312* 54958*
63614* 91801* 91812*
fertilizers 2352 43781
52737 87512
Canada 44275
Finland 70549
Germany 2385* 52707*
70671* 78575*
Japan 61411
Nebraska 52852
New Mexico 2272
70645
Rumania 78588*
Scotland 44194
South Dakota 2315
44168
Spain 61403* 70594*
70595*
fungus diseases 425
15980 16067 16068
24330 42382 50891
59092 67806 77133
77189 24313* 63614*
67815*
Australia 513
Austria 8503*
Canada 33287
control 16012 41885*
41918* 41920* 59049*
Czechoslovakia 41932*
86741* 86968*
North Dakota 24296
Poland 86803*
Republic of South
Africa 86804
USSR 33156* 59031*
58922* 67918*
Czechoslovakia 41739*
86743*
Japan 50131*
USSR 86784*
Yugoslavia 86839*
genetics 890 8808
8841 16454 16483
16496 24719 24729
24745 24746 28757
33764 42382 42397
42399 42405 42444
50832 50893 59683
59708 77457 77458
87475 884* 8819*
8836* 24750* 42365*
42413* 50886* 59741*
68435* 77419* 87415*
87451* 87477*
reviews 68454*
germination 8932 6830*
16704* 41918* 42613*
42628* 68619*
hardiness 60092* 68691*
harvesting 9346 74056
43123* 69369*
harvesting date 58922*
history 1512 57202*
hulls 4215 20468
31397*
hybrids 24729 33810
42405 50832 60351
69440 77459 17081*
69441*
injuries 35043 24146*
33028* 58863*
irrigation 2272 2385*
61403* 70594* 70595
losses 9346
malting 6824 14258
14266 17032 22512
25300 31173 39806
39826 39842 56543
57176 57179 65891
69386 84481 84521
6778* 6830* 6832*

Item

Barley--Cont
malting--cont
14297* 21956* 31101*
31202* 39846* 39859*
39873* 48503* 48530*
57204* 75294* 84469*
84472* 93713
Belgium 75306*
Bulgaria 36177* 39843*
Canada 51645*
equipment 39795
6747* 6793* 57147*
Europe 31109
European Economic
Community 84458*
Germany 2385* 6750*
6763* 6768* 6790*
6799* 6800* 6801*
6836* 6841* 6848*
6852* 9406* 14269*
14311* 21956* 25315*
31136* 39870* 43159*
48565* 50705* 57130*
57160* 68800* 70671*
78575* 93738*
East Germany 43123*
88334*
Great Britain 83581
6806*
Italy 6795*
Netherlands 6810*
56533* 56562*
Poland 93744*
properties 14296*
quality 8932 6841*
14313*
Republic of South Africa
43092
reviews 21966 65327
shows 39870* 57200*
65930*
Yugoslavia 75293*
marketing 22465 6852*
57205* 93728*
microorganisms 22512
moisture 93736*
morphology 16361 59421*
59510* 59593* 59673*
68328*
nematode resistance 1469*
nutritional deficiencies
50984
nutritive value 11487
pest control 55391 81707*
pest resistance 28757
46473 46474 55408
12474* 92138*
pests 20789 20794 73243
physiological diseases
59673*
planting 17043 43781
1468* 74056* 88504*
planting date 25300
41739* 43106* 69353*
policies and programs
22461 65885*
pollination 50832
prices 57205*
processing 11920 11921
20145 45921 45930
31145* 93699* 93736*
production regions 84413
65886*
properties 84451*
proteins 1330 39800
14302* 48542* 56547*
57141* 57204* 68807*
87490* 93736*
purchasing 22465
quality 25300 48503*
Germany 6790* 6794*
6799* 6800* 6836*
East Germany 43123*
Netherlands 50704*
research
statistical methods
25351 25352 50886*
residues 24282
seeds 16067 24844
59683 67806 69349
25360* 68328* 69396*

Item

Barley--Cont
seeds--cont
certified 31523 84977
treatment 12471
24929 32683 33156*
41920* 41932* 59049*
67918* 69236* 86741*
86968*
vernalization 24838*
25250* 60092* 87733*
situation and outlook
Belgium 75306*
France 75264*
Great Britain 22481
84413
Netherlands 57201*
57205* 75368*
soilless culture 60164
soils 59932 87911*
Czechoslovakia 78380*
Germany 68800*
Japan 61411 35429*
New Mexico 70645
statistics
Australia 31089
Germany 7637*
Great Britain 83615
India 39871
North Dakota 31160
tests 39794 84469*
toxicity 81063
trade 67072*
types 25380* 25389*
34242* 65886*
varieties 14258 17032
25351 25352 39821
42880 43118 43139
50893 69349 69386
87512 1468* 68691*
Australia 1516 9345
88413
Canada 17022 17048
34399 43142 51667
51683 55408
Czechoslovakia 68435*
Denmark 17024*
Finland 9379*
France 77898*
Georgia 9347 25303
Germany 84451*
East Germany 17081*
88407*
India 88317
Indiana 9349
Japan 884 58863*
69397*
Kansas 25387
Netherlands 17090*
43165* 51628* 51704*
New Zealand 69330
North Dakota 25344
Norway 88445*
Oklahoma 51632
Poland 1510*
Republic of South Africa
43092
Rumania 34242* 34406*
Scotland 43168
Sweden 1469* 1517*
Switzerland 9348* 69448*
USSR 25355* 25380*
25389* 48542* 60200*
87733*
Virginia 9405 25378
virus diseases 8601
20764 50472 59111
67993
Australia 59149
Canada 33414
Japan 77232 77245*
77246*
Texas 42018
transmission 4648
4649 12505 37654
USSR 68043*
weed control 8932 43781
60186
France 52287*
Great Britain 34106
35026

*Text of this reference is not in English.

Item

Barley--Cont
weed control--cont
Japan 50567*
USSR 9876*
yields 8808 17043 34135 43139 52737 1468* 41918* 48503* 77743*
Australia 88413
Canada 42444 43142
Germany 2385*
Great Britain 34106
Hungary 25322*
Kansas 25387
Nebraska 52852
Netherlands 51704*
Oklahoma 51632
Poland 88582*
Rumania 34406* 43106*
Texas 42018
USSR 9154* 18400* 25355* 65886* 69353* 69396* 89800*
Barley bran oil 31397*
Barley meal 12204
Barley straw 62674
Barnes H F 64404 41210*
Barns
construction 5838* 13346* 13394* 21701* 21702* 30058*
Czechoslovakia 92963*
Denmark 27484*
designs and specifications 64905*
equipment 29896*
Great Britain 92955
insulation 38799* 92969*
maintenance and repair 56289*
remodeling 38809*
sanitation 13289 11239* 90797* 92908*
types 30059*
ventilation 56277*
SEE ALSO Dairy barns; Enclosures; Milking barns; Milking stalls; Stables; Stalls; Tobacco barns
Barosma betulina 25971*
Barrel medic 61228 63424 77923
Barrnett method 9269
Bartelds B K 15528* 41201*
Barter 58296
Barthrin 63768*
Bartonellosis 55255
Bartramia stricta 41499*
Bartramiaceae 58753
Baryceros 38417
Barytychius avulsus 55465*
Basalts 18384 35420
Bascaninae n sfam 64325*
Bascanus 64325*
Basic slag 2278 2333 70891 78983 2510* 2511* 10481* 10681* 18599* 26342* 26616* 26617* 44296* 70496* 70893* 79011* 92992*
Basidiobolus 58768
Basidiomycetes 24076*
anatomy and physiology 1100 9084 24378 33688 50783 51243 59878 70378*
biochemistry 69217 51520*
cytology 8797
Finland 67641*
Germany 16026*
in soils 261
Japan 50132
reviews 58984*
Basil SEE Ocimum
Basilepta 21113 55717
Basilepta pallidulum 4766*
Basilewskydia 82239*
Basilobelbidae n fam 29283
Basipilus n g 41578

Item

Basket willow SEE Salix viminalis
Baskets 5778* 19304*
Basolan SEE Methimazole
Bassia latifolia SEE Madhuca indica
Basswood SEE Tilia
Bast fibers 36122 30816* 48222*
Basutoland Dept of Agriculture 15484
Batalin A F 94911*
Bathyphantes 82180
Bathyplectes curculionis 12497
Bathypogon (Creolestes) n sgen 82382
Bathysciinae 21103* 73603*
Batracarus n g 64287*
Batrachomorphus 64499
Batrachorhina 29336*
Batrachospermum 24063* 24637*
Batrisiella 29368*
Batrisini 12817*
Bats 76845*
and disease 3570 80384* 91128*
beneficial 28775* 29150*
pests 12430 20674 21082 29800 46784 82166 82198 28839* 38023* 38024* 38025* 81544*
Batteries SEE Electric batteries
Battus philenor 38440
Bauer H 76753* 94885*
Bauer P T 74453
Bauhinia 32751*
Bauhinia acuminata 50680
Bauhinia championi 35082
Baumann R 49802*
Bauxite 16869 18388 34113
Bay of Islands Co-operative Dairy Co 6262
Bayer 21/199 12434 28872 28877 31280
fly control 81582
livestock parasite control 37249 80185 54915* 81045*
livestock pest control 12434 28877 37598 37610 55272 81567 81582
rabbit pest control 28905
residues 31280
toxicity 28872
Bayer 205 SEE Suramin
Bayer 2353 SEE N-(2[1]-Chlor 4-nitrophenyl)-5- Chlorsalicylamid
Bayer 5006 92131*
Bayer 19639 75097
alfalfa pest control 46495
aphid control 4657 91979 73263* 81712* 91979*
bean best control 46507*
cotton pest control 29047 28973*
sugar beet pest control 81712* 92097* 92098* 92133*
tree pest control 46667 81893
Bayer 22408 36254 81497
Bayer 29493 SEE Baytex
Bayer 37342 46397
Bayer A 139 72684*
Bayer L 13/59 SEE Dipterex
Bayer S 1752 SEE Baytex
Baytex 4512 55542
effects on animals 28747
livestock pest control 63853 4570*
mosquito control 4430 12392 20585
residual effectiveness 4430 4513 81510
Baytinal 28711*

Item

Bazarella SEE Pericoma (Bazarella)
BCG test 45687*
Beadruby SEE Mainathemum
Beams 35995
Beans 52112*
abnormalities 16413
analysis and composition 84230 14067* 55963* 59758* 59937* 60140* 60239* 60265* 65722*
anatomy and physiology 952 958 964 982 1030 1058 1142 1190 1298 4668 8856 8946 9126 9131 16505 16696 16821 25171 34125 34133 34135 41738 42790 42791 42818 42910 42931 51114 51159 51218 51257 51335 51421 68607 68648 68724 68779 68880 68881 68909 69030 77602 87327 87555 87634 87694 87800 16662* 24862* 24995* 25115* 25139* 34221* 42515* 68229* 68626* 68842* 68977* 77638* 77672* 87370* 87520* 87535* 87801* 87872* 87961* 89536* 92063*
bacterial diseases 33361 50461* 67965* 67969*
biochemistry 9274 9288 16912 42992 43045 51529 51539 51577 42940* 42970* 69237 69253* 88115* 88143*
breeding 34888 89154 1865* 89212*
consumption 84230
contamination 48414* 56963*
costs and returns 40645
culture
Australia 9839
Bulgaria 69903*
Florida 43610
Germany 89166*
Great Britain 34894
Indiana 9825
Mexico 89129*
Netherlands 43595* 43659* 50246*
Northern Ireland 1887
Spain 89201*
Tropics 78142* 89129*
USSR 1864* 25824* 25825* 25852* 43607* 60863* 89118* 89234*
Washington 60889
cytology 24597 42203*
defoliation 52904
disease resistance 15983 33409 34888 50862 89154 67969* 68020* 89212*
diseases 33043 41668 86725 316* 67708*
dried
analysis and composition 56960
care and handling 57010
consumption 6653
marketing 65739
statistics 22447 48492
trade 58298 58299
enzymes 51539 75120 88168
feed 4096 72948*
fertilizers 35310 52796 52966 26265*
flowering date 4838
for processing 9825 93661*
freezing 39742 65829

Item

Beans--Cont
fungus diseases 8435 8525 8553 15983 16092 24281 24282 33256 41738 41801 50283 50284 67787
Arkansas 405 33207
Australia 452
Colombia 86911*
control 424* 41814*
Czechoslovakia 86949*
Mexico 77099
Oregon 58986
Peru 41767* 86781* 86782*
United Arab Republic 77178
genetics 8844 16413 50862 42380* 42381* 42424* 50867* 87442*
germination 16782 16580* 24862* 60239* 69237*
grading and standardization 93099*
harvesting 9812 52094 56169 29948* 74096*
hybrids 24683 29051 42424* 43643*
injuries 50246*
irrigation 35507 35526 52966
marketing 5961* 39811*
mechanization 21554 29831
morphology 59355* 87370*
nematodes 33440*
nutritive value 23695 84230 14067*
packing 31002
pest control 81648 46507*
Australia 55437
Great Britain 4838
Mexico 92081*
Netherlands 92078*
Poland 20733
Rumania 55453*
Yugoslavia 67708*
pest resistance 4668 12525 12526 37690 92081*
pests 12469 12503 21097 55453* 92078*
planting 9802 52121 9818* 59355* 69312* 89130*
planting date 34919 68020*
pollination 4838
prices 39811*
processing 6703 39747
propagation 51064 89134*
proteins 68779 42970* 65722* 69237* 88188*
seeds 68724 78420* 89234*
treatment 16782 29027 77178 25461* 41814* 50461* 59758* 92063*
soilless culture 70398* 87535*
soils 982 1142 18067 26026 25824* 70398* 89536*
spraying and dusting 92081*
storage 56963*
USSR 52096*
varieties 34125 89154 1854* 93661*
Europe 67969*
Florida 43610
Illinois 52098
Iraq 1895
Netherlands 43595* 43659*
New York 9802
Oregon 34887 35507 40645
Spain 89201*
USSR 1864* 1865* 14067 43607* 60863*
virus diseases 579 582 33409 41738 50465 50492 50514 50522 50523 33407* 59193*

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Item

Beans--Cont
virus diseases--cont
Australia 16150
control 24422 24434
Germany 42023*
Republic of South Africa 559
transmission 50507
USSR 68020*
vitamins 15467*
weed control 17761 17785
Belgium 25893*
Brazil 89296*
Germany 70049*
Great Britain 34976
Hungary 43826*
Washington 60934
yields 1142 34135 26265* 89130*
Brazil 316*
Canada 52966
Netherlands 50246*
New York 9802
Oregon 34887
Poland 9818*
Washington 35310
Bears 73417 64183 35847*
Beauveria 21089
Beauveria bassiana 4354 37673 81809 12375* 12510* 29139*
anatomy and physiology 29049*
biochemistry 9245*
Beauveria tenella 50139 64360*
Beauverin 81365*
Beavers 77060*
Bebryx sibirica 73687*
Becker's screw 71776*
Bed bug SEE Cimex lectularius; Cimicidae
Bedesem P P 49832
Bedfordiella 13097*
Bedsonia virus 81487
Bee Research Association 4813 12675 73411 92284
Bee trees 37847 64178 73429 20933*
Beech SEE Fagus
Beef
advertising 39953
aging 7020 84634*
analysis and composition 14349 22580 22582 31239 31256 31259 39927 48629 57265 66047 3341* 6907* 14351* 48641* 72106* 75395* 84630* 84634* 90818*
and disease 14388* 62831*
bacteria 57272 6977*
canned 14428 84760*
chemistry 6893 84611* 84612*
conferences and congresses 65962*
consumer preferences 6913 6915 31297 57277 66011 62663* 66009*
consumption 14358 14359 39940 45718* 65967*
contamination 12382 22603 31256 36518 6946* 6971* 39985* 39986* 48668*
cooked 31259 39925
cookery 31313 41046
costs and returns 85488* 94391* 93780*
cuts 6895 11681 62956
enzymes 39910
fat 6896 11491 11681 12382 14417 31239 48642 66047 66065 80012 75402* 84625*

Item

Beef--Cont
flavor and odor 14373 14405 39965 57265 62956
freeze-dried 39910
freezing 14422* 39985* 39986*
frozen 39910 39924*
grading and standardization 14393 39975 57275 57279 57284 66042 75445 75446
industry 93792
Argentina 75391*
Belgium 84556*
Colorado 39890*
Germany 84667*
Italy 65967*
New Zealand 31222
Tropics 6874
irradiated 36770 39998 75469* 75470*
judging 31239 39965 48628 57277
keeping quality 57272
marbling 14417 48690 93879
marketing 14362 22589 48652 57284 93792 93839
Belgium 6920*
conferences and congresses 65962*
Finland 66764*
Italy 66028* 66031*
New Zealand 31222 75418 91152
nutritive value 67132*
packing 57272
policies and programs 84589*
prices 14359 39018 45094
processed 6896 14400
processing 6896 14417 66065 84763 14419*
products 6998 14416 6908*
properties 39925 39927 39965 39918* 84612*
purchasing 66014 93827
quality 6913 6952 14349 22617 31297 36728 39975 62976 72050 80487 84763 93849 36478* 72108*
France 28726*
Italy 72257*
Spain 3600*
refrigeration 6930 6991*
regulation and inspection 19872* 48668* 66039* 75395*
France 22608*
Germany 84676*
Great Britain 90974
Italy 23584* 72257* 84630*
Poland 27862*
USSR 6977* 57280*
situation and outlook 48595 48601*
Canada 80501
Finland 57225*
Italy 65989* 84552*
Netherlands 93780*
Sicily 65989*
storage 14405
tenderized 57301
trade 14433 91152 23584* 66039*
transportation 6930 22597
SEE ALSO Veal
Beef cattle 80490
adaptation 3330 62581 80515 11397*
advertising 36382 36392 80021
associations 3632 22589 36382 45706 45723 54490 91154

Item

Beef cattle--Cont
Australia 54081 54357
Brazil 84573* 91162*
breeding 3252 3275 3296 3312 3420 11408 11441 19633 19635 27574 36404 36429 36439 36451 36463 62608 80011 90871 19650* 62542* 90502*
Africa 80051
Alabama 3624
as an occupation 36382 36444
Australia 36378 45459 54135 54136 71971
Corn Belt 3284
effects of feeding 36424 62707 62708
Europe 62542*
France 28726*
Great Britain 27551
hybridization 3255 11406 27901 36450 45419 45438 45450
Florida 11476 36424
Germany 11462*
Louisiana 54095
Southern States 71929
Texas 80076
USSR 71974*
inbreeding 3302 11391
Italy 62534* 62542* 62560*
Kentucky 3260
Mexico 3274
Mississippi 3285
Montana 11440
New Zealand 36378 94377
Oklahoma 71684
Republic of South Africa 71965
Texas 19660 80014
Tropics 62581
USSR 62543* 62556*
Virginia 3253 3278 3289
care 3512 19952 36378 36748 62794 80504
France 28726*
Italy 80493*
Northern Ireland 3620
Oklahoma 54464
conferences and congresses 36378 36382
cooperatives 31269 66031*
costs and returns 3420 3615 19756 22622 65982 85592 85645 85670
Australia 7663
Canada 40683
Finland 66764*
France 11481*
Great Britain 23340 32046
Great Plains 23313
Idaho 54155
Indiana 15083
Louisiana 57963 57987
Michigan 76287
Minnesota 7659 7660
Mississippi 58013
New York 76251
Ohio 7675
Oklahoma 23246
Southwestern States 76122
Texas 23350
Utah 15027
Virginia 58020
Wyoming 7678
credit 7398 23013 40302 49039 57691
directories 3310 36378
farms and ranches 27922 62989 94396

Item

Beef cattle--Cont
farms and ranches--cont
management 3615 3619 11647 19840 36451 40563 40576 40594 45477 57911 66708 80223 85592 54292*
Australia 27933
Canada 23279
Florida 15047
Georgia 57985
Great Britain 76184
Great Plains 23313
Kansas 57983
Louisiana 19749 57963
Malagasy Republic 85488*
Mexico 80519
Mississippi 3285
Missouri 11490
Montana 11440
New Zealand 94352 94377
Oklahoma 90955
Republic of South Africa 49281
Southwestern States 76122
Texas 19852 23314
USSR 76109* 76147* 85566*
Virginia 32019
New York 76251
Northeastern States 3618
Spain 27916*
feed relationships 3302 11487 11532 11536 19715 19756 27625 54181 54211 62610 80132 80158 80189 3383*
feeding and nutrition 3332 3372 3394 11480 11701 19691 19699 19700 19726 19742 27607 27644 27664 27713 30731 36451 36508 36511 36512 36517 36529 36531 36748 40028 45474 45475 45491 45543 54141 54142 54153 54164 54195 54230 54245 57986 62674 62683 62706 62740 72008 72040 72076 80165 80170 80198 80218
Alabama 45463
Argentina 90906* 90934*
Australia 19747 62637
Bulgaria 54184*
Canada 77929
Chile 11523
costs 72020 85645
Arkansas 57911
Australia 3348 45518
Idaho 54155
Michigan 76287
South Dakota 11489
deficiencies 54240
equipment 5725 13168 29891 83026 83250 38646*
feedlot 3336 3346 3362 5718 11478 11491 11496 11522 19746 19797 22596 27561 27596 27635 27638 27680 31235 36474 36477 36479 36494 36518 45477 45488 45494 45627 54143 54144 54146 54212—54216 54228 54229 56297 62545 62656 62678 62692 62778 71980 80245 90855 90886 90925 11528* 62647* 62663*

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Item

Beef cattle--Cont
feeding and nutrition--cont
feedlot--cont
Arkansas 27606 80172
Australia 3348 3545 19706 27623 80200 91652
Bulgaria 90913*
Canada 27656 40683
commercial 3330 11494 19694 72020 83250 90903 93833
cooperatives 72051
Florida 27627 45485
Great Britain 72017
Hungary 3408*
Idaho 80164
incorporated 75381
Italy 80127* 90890*
Louisiana 36522
Mississippi 19776
Missouri 11490
Montana 90951
New Zealand 75418
Ohio 3363 3364 3627
Oklahoma 90955
Pennsylvania 72021
Poland 62670*
Republic of South Africa 3375
Tennessee 27620
Texas 3373 19692 19759 19760 23314 27613 45467 90927
USSR 3342* 3368* 11513* 11533* 47564*
Virginia 54194
Yugoslavia 71987* 71988*
Florida 19696
France 11481*
Georgia 3376
Germany 90891*
Great Britain 27652
Hawaii 80122
Illinois 36165
Italy 36475* 62639* 62645* 62650* 62671* 62679*
Kansas 71985
labor 49077*
Louisiana 19749 54205
Mississippi 19739
Missouri 45531
Nebraska 90940
New Mexico 62669
Ohio 27624
Oklahoma 71684
pasture and range 3323 3366 3396 3403 4083 6915 11471 19741 19744 19777 27602 36568 54173 62678 62778 72002 80119 80183
Arkansas 80189
Australia 19764 45518 61481 77972 80150
Canada 77973
Florida 3343 19737 27625 36424
France 17212* 90939*
Great Britain 1579 17135 80116
Great Plains 25475
Indiana 54196
Jamaica 11642
Louisiana 62675
Nebraska 54150
North Carolina 3316
Pennsylvania 80169
Rodesia and Nyasaland 78565
Southeastern States 36524
Southern States 27619

Item

Beef cattle--Cont
feeding and nutrition--cont
pasture and range--cont
Texas 19712 19713 19714 19715
USSR 3318*
Virginia 27637
Washington 72004
Wyoming 1615
Philippines 90892
recent developments 3321 36474 36479 45476 45520
research
statistical methods 45523
Rocky Mountain States 45535
Scotland 80118
seasonal 36497 36568 54145 80181*
Great Britain 80116
Mississippi 19705
Missouri 45530 45532
Montana 19729
Ohio 3361
Oregon 3331
Republic of South Africa 3333 62660
South Carolina 11538
South Dakota 11489
USSR 27663* 90918*
Virginia 54194
Wyoming 1615
Southern States 3371
Spain 19818 36483*
Sweden 27647* 45512*
Switzerland 72053* 72054*
Texas 3322
USSR 19716*
Virginia 54189 62659
Western States 19723
Yugoslavia 62698* 90887*
grading 19756 36388 48671 54492 57275 62985 72188 72260*
growth 11496 11532 11573 11642 19714 27714 36524 54095 62545 62610 62837 62942 72008 80132 80158 80198 80274 80350 80351 80414 80504 90922 72108*
herd classification 27909
history 62969 62989 65982 84546 84569
Australia 45709*
Brazil 93787*
Kansas 80505 93790 93791
Wyoming 3625
housing 3627 30047 56286 64998 38823* 47555*
in folklore 57226*
industry 3602 3619 27504 36404 39886 62983 90770
Alabama 3624
California 31227
Canada 39886 79982
Colorado 62960
Europe 39900*
Kansas 19960
Maine 22574
Missouri 45388 79978
Montana 57224
New Mexico 54471 75388
North Carolina 36749
Ohio 3621 3622
Oklahoma 19960
Oregon 3623 80508
public relations 22566
Southeastern States 19965

Item

Beef cattle--Cont
industry--cont
Southern States 19967
Tennessee 62968
Texas 14324 75388 84561
USSR 14333* 84594*
judging 3415 36751 62965* 80488*
losses 27758
Louisiana 62598
marketing 6928 6929 6988 31269 36378 39946 48653 57252 48655*
Belgium 6920* 66032*
Florida 93843
Germany 84667*
Italy 66028*
Louisiana 57255
Nevada 39942
Southwestern States 11494
Switzerland 22592*
meat production 11718 19928 19962 36451 36751 45601 54489 62932 62976 62985 72188 80501 66009* 80489*
California 72261
effects of age 3375 36728 39925 72161 62690* 72106*
effects of breeding 11391 19649 19652 27550 27551 36388 45420 54095 62545 80012 80072 80702 11398* 62535* 62663* 71974* 72108* 90818*
effects of drugs 3545 19742 27713
effects of feeding 3319 3320 3376 3410 6915 11537 19770 36518 45420 45519 62649 72004 72050 80012 11519* 27568* 36478* 62663*
Australia 19764 80150
Great Britain 36516
Italy 62642*
reviews 90915*
USSR 36487* 72025*
Virginia 27637
Yugoslavia 3383*
New Zealand 91152 91740
Sweden 45512*
mechanization 5718
milk production 62837
policies and programs 65959 65982 93786
prices 6988 22622 31235 65982 75457 84717 93861
production regions 93771
purchasing 3330 22622 93833
records and testing 11714 11724 19660 19977 27918 36382 36431 36747 36765 62610 71963 80072 80497 36395* 90867*
Arkansas 80487
Australia 71971
Canada 27714
Great Britain 28537 80053
Oregon 27948
South Carolina 3607
Texas 3249 45401 54487
West Virginia 91172
research
statistical methods 62687

Item

Beef cattle--Cont
selection 11391 11532 19660 27561 27916* 27938 36748 80518
shows 3415 19971 27924
situation and outlook 3277 6877 19635 22558 22562 22568 22575 31232 31234 31235 36378 57234 65990
Canada 80501
European Economic Community 84589*
Italy 65983* 65986* 65988* 65989*
New Zealand 93772
Sicily 65989*
Sweden 84652*
Switzerland 75389*
statistics 14433 31327 40028 48731 48732 93885*
thefts 80512
trade 86015 23584*
transportation 3485 6928 19940 54394
types 6913 11719 11720 11725 27902
Uruguay 3631*
watering 3387 90902
weight and measurement 3415 3485 11718 27550 27933 45587 45601 45626 54181 54339 62706 62985 72188 72127*
Beefmaster Breeders Universal 62601
Beehives 55603*
brood chamber 73446 81918
care and handling 64195
color 73432
comb foundation 64200 73427
construction 73426
equipment 81982 55619*
for observation 29201 64180 81986 73449*
frames 81917 20966* 29182* 37874*
loading equipment 12680
location 29198
maintenance and repair 29213 55614 64187*
materials 29195*
size 20968*
temperature 73442 92271*
transportation 37901
types 12701* 20966* 64139*
weighing 73425 46678* 64141*
Beehouses SEE Apiculture apiaries
Beekbergen Instituut voor de Pluimveeteelt Het Spelderholt 91580*
Beer
analysis and composition 39179 47852* 56573*
containers 81842
flavor and odor 6161
ingredients 6766 93199 39193* 56573* 65335*
nutritive value 7967 32481
quality 6147*
trade 15399* 67072* 94786*
Bees
Algeria 82583*
anatomy and physiology 5320 5329 21350 82640 12706* 47106* 64546*
as parasites 29578*
as pests 55211 37531*
as pollinators 4823 12368 64171 68431 82615 12713* 17105* 28788* 87851*

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Item

Bees--Cont
as pollinators--cont
Canada 46671
USSR 37891 37443* 55178* 63781*
Utah 12321
Australia 38393
California 12977
Central America 47095
collections 38381
ecology 29588 64560*
Europe 47118*
evolution 55915 5298* 64546*
food and host plants 92278*
geographic distribution 64559* 82625*
Great Britain 38424 73789
habits and behavior 5325 20955 21346 37855 47103 55880 64302 64535 82640 82648 5315* 12963* 12964* 12966* 29203* 82643*
Japan 12963* 12964* 12965* 12966*
larvae 5329
Nevada 12977
North America 47095
Pacific Coast States 82650
Palearctic Region 47118*
parasites 29588 38413 64275 64302 29578* 47065*
pupae 5329
rearing and breeding 73111
research
statistical methods 4817
Southeast Asia 55904
stings 81502
Surinam 55902*
taxonomy 5328 29594 38381 55897 55903 82621
types 38381 73781
USSR 64560*
SEE ALSO Apis mellifera
Beeswax 4779 37842 46686 55614
analysis and composition 64202 69557
contamination 82002 82015*
extraction 81982 20947*
feed for insects 5553
utilization 81973 20967* 37841*
Beet leaf miner SEE Pegomya betae
Beet webworm SEE Loxostege sticticalis
Beets
abnormalities 37191*
analysis and composition 76624*
anatomy and physiology 967 8897 51396 89181 24807* 34017* 34072* 60056*
breeding 89181 17207* 42373* 43649* 69995*
costs and returns 15113*
culture 34876
Denmark 17572* 51785*
Germany 24175* 60373*
East Germany 25476*
Great Britain 88556
Netherlands 51805* 60373*
Sweden 78136*
USSR 25796*
cytology 42240
deficiency diseases 9155
defoliation 60373*
disease resistance 9155
diseases 50157*
drying 93624*
enzymes 75102*
feed 27594* 37191* 78558* 80154*

Item

Beets--Cont
fertilizers 8897
Denmark 70569*
Finland 10276*
Netherlands 35404*
Texas 10174
USSR 78558*
for processing 9155 10174
forage plant 1932*
Denmark 51785*
France 59024*
Germany 14744* 15113* 17207* 29929* 37648*
East Germany 25476*
Great Britain 88556
Hungary 1646*
Netherlands 35404* 51805*
Poland 9481*
fungus diseases 41754* 86770*
genetics 50843*
germination 68904*
harvesting
Denmark 7426*
38703* 40391* 64877*
Germany 14744* 29929* 60373*
Netherlands 56187* 60373*
Sweden 83086*
USSR 13258*
loading equipment 92952
mechanization 5705* 13124*
reviews 82931*
morphology 87302 34017* 59593* 60056*
nematode resistance 8642 24470
nematodes 8628 8642 50527 8636* 42066*
nutritional deficiencies 33848*
pest control 81703*
pests 38070* 46989* 82212*
Belgium 46437*
Czechoslovakia 73188*
forecasting 20766*
France 63888*
Germany 37648*
Hungary 73249*
Italy 5077* 92065*
physiological diseases 87577*
planting 9481* 69312* 89195*
reviews 83066*
processing 31009
products 93627*
propagation 24807*
pulp 80175 80160* 93626*
seeds 967 87827 50157* 58859* 60373* 68904* 89195*
reviews 82931*
thinning 83047
tops 18310* 39782* 40391* 74922* 80154*
varieties 1860* 9481* 78136*
virus diseases 20776 20736* 33423* 59118* 59187* 63888* 68039* 87058*
vitamins 76624*
weed control 17747 17758 17785 52168 25878* 56121* 60944* 78216* 78217* 89262*
yields 10174 10276* 78558*
SEE ALSO Sugar beets
Begonia
Africa 41404*
anatomy and physiology 59903* 59914*
bacterial diseases 86975*
Brazil 41457
breeding 60767*
culture 17495 25765 34730 88986

Item

Begonia--Cont
cytology 16385
genetics 77447*
nematodes 59210*
varieties 17495 43468 43546 60767*
Begonia cathayana 77393*
Begonia evansiana 1035 33915
Begonia gracilis 9174* 25138* 88008* 88009*
Begonia hiemalis 60785*
Begonia semperflorens 9174* 87379* 88008*
Begoniaceae 41404*
Behningiidae 82867*
Beijerinckia 35181 44003 61193*
Belaina n g 32943*
Belamcanda chinensis 50791
Belba 55658*
Belba kingi 82149
Belbini 55658*
Belching 36246 36247 62967
Belenois aurota 29644
Belgium Ministère de l'Agriculture 90796*
Bell S 41189* 49797*
Bell jars SEE Cloches
Bellani plates 51418
Bellevalia romana 755* 87276*
Bellicositermes 56024*
Bellicositermes natalensis 47230* 82866*
Bellis perennis 42116*
Bellocq B P J V 8028*
Belochalcis SEE Acanthochalcis (Belochalcis)
Belomicroides 5270
Belonolaimus longicaudatus 77286 77288
Belonopsis iridis 32969
Belopus 92372*
Belorussian SSR Tsentral'nyi Gosudarstvennyi Istoricheskii Arkhiv 32188*
Belorusskaya Respublikanskaya Nauchnaya Sel'skokhozyaistvennaya Biblioteka 66973*
Belorusskii Nauchno-Issledovatel'skii Lesnyi Institut 73393*
Belosacris n g 38550
Belostoma 82536 29520*
Belostomatidae 38294 64507 92512 29520*
anatomy and physiology 5248
nomenclature 55863
South America 82503* 82512*
taxonomy 5239
Belostomatinae n sfam 5239
Beltwide Cotton Production-Mechanization Conference SEE Cotton Production-Mechanization Conference
Belytinae 82619*
Bembecia pectinata 38506*
Bembidiini 46890 64380*
Bembidion 46824* 46841* 55758*
Bembidion aphippium 29392*
Bembidion (Chrysobracteon) 92388
Bembidion concinnum 29392*
Bembidion fluviatile 4988
Bembix 5270
Bemisia 20712
Bemisia gossypiperda SEE Bemisia tabaci
Bemisia tabaci 20737 55406 73282 82544
Benedict F G 49844
Benesch F 41155* 41217* 49780* 86205*

Item

Bengal Livestock (Import) Quarantine Rules 85981
Bengalgram SEE Chickpeas
Benham R W 33013
Benincasa cerifera SEE Benincasa hispida
Benincasa hispida 77163
Bennett H H 49787*
Benoinyssus najae 38026*
Bentgrass SEE Agrostis
Bentonite 2094 18039 26530 48827 61170 2424* 3842* 7248* 24269* 26039* 30397* 30441* 46212* 52845* 54441* 74581* 78338* 78533* 83669*
Benzalkonium chloride 3943
Benzathine penicillin G 11763* 19935* 27367* 36912* 62738* 72117* 72817*
Benzene 88102 4419* 27187* 86853* 86996* 93906*
Benzeneboronic acid 1078* 16817* 24601*
Benzethonium chloride 28718
Benzidine test 62935*
Benzimidazole 512 1120
Benzimin 28939*
Benzoic acid
determination 13636* 39157* 47647*
effects on plants 59380 24942*
in food 47647*
in insects 55754*
Benzoin SEE Lindera
Benzol SEE Benzene
Benzophenone 79601
Benzopyrene 38997* 52519* 57351*
para-Benzoquinones 4983 46798
Benzotrichloride SEE alpha, alpha, alpha-Trichlorotoluene
Benzyl benzoate 81433
N^6-Benzyladenine 84323
6-Benzylaminopurine 34176
Benzylpenicillin potassium 19935*
Benzylpenicillin procaine 28453 19935* 63247*
Bephenium hydroxynaphthoate 19902 45743
Beraea maurus 5617
Berberis 69899 59041* 77088*
Berberis vulgaris 86829*
Berenil 45555 72235 3762* 19564* 19590* 19915* 62462* 63446*
Berg L J 23797*
Bergamot oil 7053* 22700*
Bergapten 25226
Berge E 41179*
Bergenia 9752
Bergenia crassifolia 68533*
Bergia polyantha 161
Beringotipula SEE Tipula (Beringotipula)
Berkeley Bank for Cooperatives 7381
Berkoline 41750*
Berlese theory 82084
Berlin Biologische Zentralanstalt für Land- und Forstwirtschaft 33078* 40284*
Berlin Bundesforschungsanstalt für Getreideverarbeitung 6748* 57131*
Berlin-Dahlem Botanischer Garten und Botanisches Museum 41303*
Berlin-Dahlem Bundesanstalt für Materialprüfung
Biologische Materialprüfung Holzschutz und Holztechnologie 2837*

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Item

Berlin Freie Universität
Veterinärmedizinische Fakultät 71727*
Berlin Humboldt Universität
Forstwissenschaftliche Fakultät Eberswalde 61674* 61708*
Berlin Institut für Zuckerindustrie 85035*
Berlin Staatliches Veterinaermedizinisches Pruefungsinstitut
Listeriose-Zentralstelle 19589
Berlin Technische Universität
Institut für Blumen- und Pflanzenbau 43499*
Bermuda grass SEE Cynodon dactylon
Bern (City) Botanischer Garten 15625*
Bernardinium 86536
Berothidae 29801
Berries
anatomy and physiology 16666*
biochemistry 9268* 51476*
breeding 43437 1675* 17377* 34598* 88853*
chemistry 93635*
containers 14125*
cookery 94816
costs and returns 32067* 94517*
culture
Denmark 17375*
Finland 88950*
Lithuania 9583*
Netherlands 17383*
Norway 9570* 25647*
USSR 9582* 9584* 9680* 57976* 69710* 69787*
diseases 41596 41680*
farms 40553*
hardiness 34598*
harvesting 38701
juices and sirups 57110 30957* 65780*
labor 40413
marketing 65745*
pest control 46552
Canada 41596 73309
Latvia 63982*
USSR 12550* 12589* 41680* 64026*
pests 46552
processed 14164* 75205* 93635*
pruning 88832 88826*
statistics 65843 57119* 57121*
storage 39771*
trade 6623 15389*
utilization 30964* 75127*
varieties 25650*
Germany 17372*
New Mexico 17634
Oregon 34673
USSR 1675* 25572* 43373*
weed control 34968 52274
wild 9861* 87192*
Yugoslavia 6623
Bersama abyssinica 91017
Berseem SEE Egyptian clover
Bertram C L 67204*
Bertrand G 86161*
Beryllium 34133
Berytidae 38351* 47013*
Berytinidae 12933
Beschorneria decosteriana 8731*
Besnoitiosis 62724 62941*
Bessa fugax 92457*
Bessa harveyi 82408
Bessa selecta 92457*

Item

Beta 77355 16807* 34052* 43320* 60033* 77613*
Beta rays 86266
effects on animals 79787 80657*
effects on insects 21323 21464
effects on plants 758 59715 42404*
in wood research 90471*
Beta vulgaris SEE Beets
Betacallis 29565
Betaine 57500*
Bethylidae 29596 38374 47094 55875 73775 92545
Bethyloidea 29602 5302*
Bethylomimus n g 92565*
Bethylus 73775
Betts A D 41191
Betula
anatomy and physiology 1112 33997 42672* 62209* 77669* 79608*
crowns 61783* 71061* 79174* 79177*
culture 18852* 18999* 34712* 79217*
reviews 71199*
diseases 50467 50476 458*
Eastern Hemisphere 15814*
ecology 79217* 87210*
Finland 79122*
germination 26930
growth 18999* 79608*
harvesting 71371*
hybrids 33589
introduction 18999*
litter 10728 53284*
measurement 61783* 71061* 79174* 79177* 90101*
morphology 59614*
pests 82708 82743 81903*
propagation 1763* 34712*
pulpwood 36024 62147 90413 53647* 90416* 90417*
regeneration cutting 71244*
sanitation cutting 71244*
seedlings 10728
seeds 26930
soils 53284*
taxonomy 15814* 76960*
thinning 71061*
USSR 50094 26727*
wood 19244 19319 53738 90436 11128* 62209* 79596* 90382* 90472*
Betula alleghaniensis 2704 18949 19256 26818 44013 71606
Betula callosa 15776*
Betula litwinowi 45144*
Betula maximowicziana 71274
Betula nikoensis 53583*
Betula oycoviensis 33589
Betula papyrifera 2921 2997 11040 19256 27116 79242
Betula pendula 60841
anatomy and physiology 33589 25122* 68740* 87735*
fungus diseases 24203*
genetics 71274
germination 18979*
litter 78444
measurement 71058*
pulpwood 19257
seedlings 79304
wood 19179 19349* 71594* 90444*
Betula platyphylla japonica 79573 79574
Betula pubescens 68415*
Betula tortuosa 42133* 87757*

Item

Betula verrucosa SEE Betula pendula
Betulaceae 41283*
Betulaphis 29565
Betulodes 47189
Beuret N 94884*
Beutler R 15543*
Beverages 6716 48032
analysis and composition 6110 6132 74607 74638 74639 39157* 39337* 65315* 65343* 74629*
bacteria 85007*
Canada 13572
consumption 74438 74757
containers 81842
dried 83371
flavoring 6122 47839
Germany 30342* 56610*
industry 56952
Belgium 56534*
Germany 30925*
USSR 75127*
Italy 13679* 21986* 39592*
manufacture 39222 57093* 74602* 83693*
vitamins 86073*
SEE ALSO Alcoholic beverages; and names of beverages
Bezzia 5123 64464 5079*
BHA SEE Butylated hydroxyanisol
BHC 81390*
adjuvants 81551
analysis and composition 55227* 81379*
aquatic insect control 63811*
concentration 4484
corn pest control 28967*
determination 48509 6649* 14068*
effects on animals 20625* 81473*
effects on insect populations 29143*
effects on mite populations 29143*
effects on plants 20803 42296 20593* 46593* 92063*
effects on soils 20753*
emulsions 81714* 92249*
field crop pest control 20753*
fly control 73161*
forest pest control 29143* 64078* 92249*
fruit pest control 46562* 46593* 55512*
human pest control 20675*
isomers 4333 55180 4419* 81379*
livestock pest control 28879* 92049*
manufacture 55183 4419*
mite control 28879*
mosquito control 81551 55290*
physiological action 55180 55204 20664* 37492* 46337*
poultry pest control 4587
residual effectiveness 81714*
residues 4587 48509
rice pest control 12441
sheep pest control 4484
soil pest control 6649* 46593*
spider control 55323*
sugarcane pest control 55376
termite control 81905
tick control 20664*
tobacco pest control 55452*
toxicity
livestock 20644* 55345*

Item

BHC--Cont
toxicity--cont
man and animals 55183 81449
silkworms 20989* 73485*
tree pest control 92196*
wheat pest control 92107*
wood pest control 4771 20882 73395 20922*
gamma-BHC SEE Lindane
Bibio benesi 92462
Bibionidae 38164 92462
Bibliographia Araneorum 73542 82118* 82119*
Bibliographies
Abies procera 71093
Acarina 73577*
aerial photography in forestry 2618
agricultural education 40879
agricultural productive capacity 49117
agricultural situation and outlook 49117
agriculture 23150 32230 40526 49147 49186 65511 66519 76038 85344 85375 86105 31845* 40506* 40516* 76690* 94299*
Africa 94332
Estonia 75965*
Ghana 85464
Latvia 76027*
Near East 85324
Norway 23749*
Scandinavia 40452*
USSR 49114* 94260*
algae in soils 2120
alginates 2023
alkali soils 2025 2394 43938 44166 52488
ammonium chloride as fertilizer 2507
ammonium effects on plants 42538
antibiotics 10 23764
apiculture 64127* 73406*
Apis mellifera 4828 64126*
arthropods 82079 82155*
avocados 9606
Bacillus larvae 20970
bactericides 41091
barley 1011
biochemistry 41099
birds nest fauna 64242
boron 994 2081
botany 86300 41240* 67292* 82092* 86322*
brewing 13615*
buildings 13338 74264
cacao 13651*
calcareous soils 2078
calcium in animal nutrition 11185*
calcium in plants 996 998
Carabidae 4987*
Cecidomyiidae 64404
Cercopoidea 5246
charcoal 90432
chelates 995
chemicals effects on insects 42338*
chemicals effects on plants 42338* 42339*
chlorides as fertilizers 1005
chlorine in plants 997
chlorosis 1000
chocolate 13651*
Cicadoidae 64508
coconut diseases 1010 15918
coffee 13651*
colchicine 42338*

*Text of this reference is not in English.

Item

Bibliographies--Cont
Coleoptera 4987* 38115*
composts 70932
cooperative organizations 15335 94726
corn sirup 57508
cotton 1011 65615 75015
cotton fertilizers 2261
cotton processing 6520 6521 6522
currants 34680*
dielectric analysis 2027
drainage 2395
economic poisons 2088 67174 93359
economics 14675 22971 31685 40238 40252 40258 94151
engineering 56049* 82918*
entomology 4309 29275 38001 37966 55640 91941 29238* 73577* 82092*
environment effects on trees 62154
equipment 64770 94873 47309*
Eucalyptus 50014 90129*
European Common Market 15353*
European Free Trade Association 15353*
farming records 66726
fencepost preservation 53563
fertilizers 1003 43892
fiber plants 75001
films 7773 7774 14806 48316 58193 66566 79951
fish processing 66277*
foliar diagnosis 2267
food freezing 6056 47781
food habits 83305
food industry in USSR 94873
food periodicals 65052
food radioactive contamination 5994
food regulation and inspection 65178
forage plant structures 13337
forest products 10534
forest soils 2085
forestry 2551 2552 10520 10533 35628 44539 94873
Czechoslovakia 70939*
France 26682*
Israel 10534
Poland 10541*
forestry periodicals 57892*
frozen food marketing 6056
fruit 1002 1011 48316 75063
fruit juice manufacture 65777*
fruit packing 57033
gall insects 92450
gashouse tankage 2508
geography 40497* 49119*
gley soils 44076
grain anatomy and physiology 1008
grain storage 22477
green manures 2263
growth substances 9196
guano 2531
gypsum 2025
Hemerocallis 17490
herbicide effects on plants 42534
history 8069 8070 86230
home management 49856
horticulture 9554
human nutrition 49697 86039 49698*

Item

Bibliographies--Cont
humus 43937
Hypoderma 4483*
Ichneumonidae 82639*
insect anatomy and physiology 37973*
insect biological control 55179*
insect ecology 692
insect fossils 86310
iodophors 41091
iron in plants 1000
iron in soils 2026
irrigation water 2393
kadang-kadang disease 15918
land utilization 17865 85464
legislation 30210 49125
Lepidoptera 29636 64582 73801 82665 82745 82672*
leptospirosis 11220*
lignite 2514
lime in soil improvement 2265
liquid fertilizers 2509
livestock 71881 90801 54058*
livestock diseases 90735
log grading 90380
logging 79433
lumber 62128
preservation 23728
seasoning 2834 27043
magnesium in plants 998
malaria 55349 81587
manganese effects on plants 1001
marketing statistics 83445
meat 65974* 65975*
meat packing industry 66060
meteorology 41221 41222 76780*
microscopy in pulp and paper research 79540
microscopy in soil research 2124
migratory labor 14806
milk contamination 93359
millet 88318
mineral oil 42536
minor elements 1010 1011
molybdenum 42503
Monocesta coryli 12796
mosquito control 4568 29512 55349 81587
mosquitoes 92486
mulching 2030
mushroom culture 23728
mycology 23728 58771*
nitrate effects on plants 997
nitrification 44001
nitrogen in plants 998
nuts 6739
olives 1011
packing 13514
paleobotany 32641 86310
parity prices 74506
pastures and meadows 2268 2269
peanuts 2264 66138 93941
Pennisetum 86425
periodicals 31857 91941 94859
Austria 57892*
Canada 7471 49126
Finland 7495*
Germany 23221* 57808*
Great Britain 85375
USSR 76652*
personnel management 23828
phenols in soils 2084
phosphate effects on plants 1003

Item

Bibliographies--Cont
phosphorus 998 2085 42537 42538 11185*
phytopathology 23728
pineapple fertilizers 2266
plant anatomy 33709
plant cytology 42338* 42339*
plant ecology 692 77313*
plant galls 92450
plant genetics 42338* 42339*
plant geography
Czechoslovakia 32709
Southeastern States 67313
plant nematodes 601 87118
plant nutrition 993 995 996 998 1001 1002 42535 42537 42538
plant nutritional deficiencies 1000
plant physiology 997 1003 42503 42536 42539
pollen studies 23902* 32686*
potassium 1004 2080 2085 2086
potassium sulfate 1005
potatoes 994 1005
power 64770
price history 83513
Pseudomonas 2125
public lands 85599
pulp and paper 79433
pulpwood 62154
radiation effects on plants 999 42339*
radiation hazards and safeguards 5994
radioactivity in soils 2082
reclamation 2392 2394 26398 52900
refrigeration 93158
rent (economic) 85247
rice 1006 1011
root excretions 1007 1009
saline soils 2025 2087 44166 52488
sand dunes 2185
sandy soils 2182
school lunches 7937 49697
seaweed 2532
seed storage 14578
sewage 70932
shifting cultivation 7704
soil aeration 42539 43894
soil aggregates 52389
soil analysis and testing 2184 43937
soil base exchange 43938
soil biology 1009 2126 2127 23728
soil chemistry 2007 2086 2087 2121
soil classification 2182 2186
soil color 2032
soil conditioners 2023
soil conservation 2476
soil enzymes 2123
soil erosion 2024 2476 2477
soil fertility 2007 2079 2268 44166
soil genesis 2185
soil hydrogen-ion concentration 2078 2079
soil leaching 2080 2088
soil management 2392
soil microorganisms 2007 2121 2122 2124 2125 44000

Item

Bibliographies--Cont
soil moisture 2027 43893
soil organic matter 2007 2084 42537
soil oxidation-reduction potential 2083
soil permeability 2026 2028
soil physics 43892
soil porosity 2029
soil profiles 2183
soil properties 2025 52390
soil sanitation 44497
soil science 2006 26270 26011* 70166*
soil structure 2024 2026 2032 2122
soil temperature 2030 2031
soil types 44076
soils 17865 26005 26006
sorghum 88319
Spermatophyta 77
spiders 46778*
starch analysis and composition 13437*
storage structures 13337
straw decomposition 2121
sugarcane nematology 77298
sugars in plants 1009
sulfate reduction in soils 2127
sulfur effects on plants 1008
supersonic vibrations in wood research 19327
sweetening materials 40187*
tea 1011 13651*
temperature effects on soils 2024 42538
termites 64739
textile creaseproofing 6520
textile mold and mildewproofing 6521
textiles 39485
thermal flora 68106*
theses 49856 71881 82918
tillage 52389 52390
timber grading 90380
tobacco 993 1004 1011 57583
tocopherol 32466
tomato fertilizers 2262
tractor maintenance and repair 74198
transportation 5969
tree breeding 62154 79300
tree diseases 363
tree growth 11137
urea as feed 11184*
vegetable packing 57033
vegetation
Arctic Regions 58536
Washington 76827
veterinary medicine 3115 79951 90760 79954*
vitamins 19419
walnut processing 14143*
water consumptive use 43893
water supply 2464 18520 35534 78832
wheat 1011 51650*
wild flowers 86465
windbreaks 2776
wine pasteurization 65292*
wood 3011 11113 11137 27071 62221
SEE ALSO Documentation; Reviews
Bibliography of Agriculture 12727
Bibloplectus 46871*
Bicarbonates 18021 25117 37160 45599 51365 68725 79658 2105* 90878*

*Text of this reference is not in English.

Item

Bicillin SEE Benzathine penicillin G
Bicornitermes n g 21493
Bicyclo-[2-2-1]-heptene 63784*
Bicyclus 29654*
Bidens 33391* 88116*
Bidens cernua oil 7031*
Bidens connata 50079
Bidens ferulaefolia 34287
Bidens radiata 34287
Bidessus plicatus 82345
Bifiditermes n g 21493
Bifrenaria aurantiaca 15806
Bifrenaria saxicola 15806
Big bud
clover 50487
peas 50487
strawberries 50487
Big vein
lettuce 539 33323 77243
Bigelow J M 76722
Bignonia 34739
Bignoniaceae 8249 67498 67499
Bigseed falseflax 20765* 67849* 68805* 77922* 87143* 92723*
Bigtooth aspen SEE Populus grandidentata
Bihar Agricultural College 85880
Bilbao Cámara Oficial de Comercio Industria y Navegación 21908*
Bile 80741 81066 45589* 63340*
Bilharziellosis SEE Schistosomiasis
Biliary colic 36719*
Biliary duct 72863 4249* 28144* 36605*
Biliary fistula 72195*
Bilirubin 4256* 6957* 27331* 54445* 63160*
Billaea irrorata 38411*
Billiard G 76716*
Bimiti virus 73176
Binapacryl 46435
Bindweed SEE Convolvulus
Binema 55647* 56010*
Bio-acoustics SEE Sound; and SUBHEAD hearing UNDER Insects; Livestock, and names of animals
Bioassay SEE Assay
Biobessa 92347*
Biochanin A 27404
Biochemistry 65073 49783* 53999* 58400*
bibliographies 41099
conferences and congresses 8005 88240
reviews 51507
Biocides SEE Economic poisons
Biodlarnas Centralförening in Finland 81969*
Biodynamics SEE SUBHEADS management, biological aspects; plant-animal relations UNDER Soils
Bioghurt 30484*
Biological clocks 37956 77642
Biological control SEE SUBHEAD control, biological UNDER Insects and names of insects; Weeds
Biological products 20042 36243 54037 79931 79941 90741 11190* 19440* 19601* 37397*
Biological warfare 19495 24132 24177 27314 30237 30243 36351 90730 24145* 87776*
Biology 39 8010 23716 23719 24635 41100 41132 49746 76784

Item

Biology--Cont
86113 86134 86139 86143 94864 8093* 15489* 15500* 23707* 36342* 49752* 58393* 76740* 92677*
conferences and congresses 23714 58362
dictionaries 23722
reviews 58384
study and teaching 32667 50570
Biomeigenia n g 21211*
Biometry SEE Statistics, methods; and SUBHEAD research, statistical methods UNDER specific subjects
Biomycin SEE Chlortetracycline
Biophysics
conferences and congresses 58366
Biopsy 11703 11782 36671 62333 62734 80345 80458 90733 3779* 20080* 20362* 36917* 72429* 72448*
Biopterin 82537*
Biota SEE Thuja
Biotin 9239 68528 20105*
Bioval 45292*
Biovetin 3450* 37213* 37230* 62370* 72817* 72825*
Biovit 80727*
BiPC SEE M-Chlorophenylcarbamic acid butinol ester
Biphenyl 12568 21788 31000 36088 36124 46001 48465 57059 57070 67859 93605 93606 48466*
Bipolaris SEE Helminthosporium
Bipyridine 35005 89298 80942*
Birch SEE Betula
Birdrape 870
Birds
and agriculture 15497* 23718* 86109*
and disease 4507 36265 37514 54016 91513 92435 53983* 55312* 63867* 90573* 92011*
and forestry 53478 37829* 79355*
Canada 19040
Finland 35886*
Great Britain 44863 79378
Louisiana 2787
New Zealand 44827
USSR 79414* 92234*
and insects 41608 81491 29267* 37829* 64087* 73249* 73398*
and plants 648 649 15677*
as pests 328 353 41608 62098 8400* 19033*
Africa 77065*
Arkansas 368
Australia 86643
Belgium 8335*
Canada 19040
Connecticut 8390
France 50169* 50176* 77031* 77049*
Great Britain 313 8348 44863 77082 86646
India 89248
Mozambique 41615* 47468*
New Zealand 44827
Norway 58849*
Pennsylvania 86629
Texas 26909

Item

Birds--Cont
beneficial 41608 4438* 37709*
Germany 12638*
Poland 73103*
USSR 4695* 37499* 55483* 58361* 63992* 64087* 58839* 92234*
control 340 346 7999 8333 92207 77074* 86603*
Africa 77065* 86673*
Australia 86643
Germany 8360*
Great Britain 76654 79378
Illinois 77061
Italy 86624*
New Zealand 67698
Republic of South Africa 15906
study and teaching 15953
Texas 24150
USSR 86602*
insect food 13014 13077 55632 55644 55895 82082 82097 21030* 28951* 29276* 37499* 37709* 46767* 55636* 82085* 92234*
nests 64242 64246
pests 4459 4502 4573 4927 5594 5600 12430 12768 21482 29818 37514 37591 55881 64718 73155 73179 73907 81475 81520 81535 92040 4457* 64741* 73917* 81507*
Alabama 81474
Canada 82857
Great Britain 37601 92443
New Zealand 37532
Poland 92675
USSR 81489 92011 12766* 37596* 55312* 63851* 63867* 73582* 81508*
Vietnam 12400*
poisoning 63716
SEE ALSO UNDER Repellents
Birdsfoot deervetch
anatomy and physiology 1299 16591 16796 24914 33770 34161 42710 51185 60185 87505
biochemistry 50864 11315*
breeding 25420 33770
culture 77929 77973 88565 88637*
defoliation 43287*
ecology 42710
fungus diseases 50359
genetics 24743 50852 50864
harvesting 43276
morphology 68305 59605*
pest control 87505
pollen 73409 24991*
pollination 60156 73409
seeds 94528
varieties 24914 51774 51781
weed control 16591 16593 52293
Birdsfoot trefoil SEE Birdsfoot deervetch
Biryuchekutskaya Ovoshchnaya Opytnaya Stantsiya 1867*
Biserrula pelecinus 42216*
Bismaleamic acid 1660
Bismuth chlorides 76624*
Biston 20900*
Biston betularia 55951
Biston carbonaria 55951

Item

Biston marginata 38474*
Biston strataria 5390
Bisulfites SEE Sulfites
Bithionol 22763 37209 81061* 81062*
Biting midges SEE Ceratopogonidae
Bittacus natalensis 13093
alpha-Bitter acid SEE Humulone
Bitter pit
apples 1095 1169 25003 51298 59922 60214 68587 77709 77750 68584* 69149* 69150*
Bitter rot
apples 16094 41846
Bitter substances 1321 6699 43017 16909*
Bitter vetch 88249*
Bitterbrush SEE Purshia
Bitterweed SEE Helenium tenuifolium
Bitumen 52373
Biuret 22514 79658 1370* 84979*
effects on plants 16736 33873*
herbicides 70014*
in food research 47670*
in ruminant nutrition 3322 11156 19691
Biuret test 27226
Bivalgus 73635*
Bixa orellana 25985 72529
Bixin 25985
Biza 55860
Bizarrifrons 5594
Blaberus craniifer 5557 12353* 29240* 46367*
Blaberus giganteus 5554 5564 5580 82854
Black arm, cotton SEE Angular leafspot, cotton
Black banded disease
mangoes 24331
Black blow fly SEE Phormia regina
Black cross
bananas 8418 15978
Black disease 46134 46150 91704
Black flies SEE Simuliidae
Black light SEE Ultraviolet rays
Black locust SEE Robinia pseudoacacia
Black pod
cacao 8536 24353 41743 86961
Black poplar SEE Populus nigra
Black ring
tomatoes 16128
Black ring spot
cabbage 68035
Black root
sugar beets 486
Black root rot
beans 24281
Pinus 50327
Black rot
cabbage 86991
cauliflower 86991
grapes 15982 86797*
pineapples 86906
sweetpotatoes 8410 8544 8545 58957
Black rust
wheat 8444 41851 67922 68513
Black scurf
potatoes 24240
Black shank
tobacco 33148 60616 67932
Black soils
Germany 43900* 87498*

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Item

Black soils--Cont
India 26321 35251 42131
Poland 18172* 18195* 70415*
USSR 75817 2150*
Black spot
citrus 24270
peas 16093
potatoes 42532 48411 75201 93651
Rosa 432 4715 67868
Black spruce SEE Picea mariana
Black stem
alfalfa 33264 59735
Black walnut (tree) SEE Juglans nigra
Black widow spider SEE Latrodectus mactans
Blackberries
breeding 33776 34674 42364 60725 9654*
culture 43431 51998*
genetics 42364
harvesting 13239 64873
pest control 37752
pests 37729*
pollination 60725
propagation 1723*
pruning 69775*
varieties 934 25648 34674
waste 31040*
weed control 35036
Blackhead
bananas 24468
geese 80802* 91561*
poultry 11993 37074 63303 11968* 80788*
reviews 3904
turkeys 46029 80843 3933* 37060* 63319*
Blackjack oak SEE Quercus marilandica
Blackleg
livestock 36269 79888 3130* 11242* 90625*
potatoes 522
sugar beets 67883*
Blackmore J S 58403
Blacksmithing 64921
Blackstonia SEE Chlora
Blacus strictus 38408
Bladder
cattle 45565 54262 72146* 80401*
dogs 11766 63030*
swine 4239* 73000*
Bladder hernia 3770 80260 91227
Bladder worms 11767 36938 46147
Blagoveshchensk Sel'skokhozyaistvennyi Institut 76438*
Blaine D P 94879
Blakeslea trispora 27237 56462
Blaniulus guttulatus 92335
Blankaartia ascoscutellaris 29314
Blaps 82253*
Blaps mucronata 5565*
Blaptyscellis n g 64366*
Blast
citrus 528
ragimillet 86922
rice 433 498 33246 41835 50387 58997 59074 67833 67836 67850 68441 77151 77871 441* 442* 500* 33325* 77138* 77188* 86727*
Blasticidin S 41835 67836 442*
Blastmycin 41835
Blastobasis 21366
Blastocladiaceae 50818
Blastocladiales 5199

Item

Blastocladiella emersonii 60293 77769 87254
Blastodacnidae 82688
Blastoma 11626 28007*
Blastomycosis 20029 27978 27990
Blastophaga 12318
Blastophagus (Coleoptera) SEE Myelophilus
Blastophagus grossorum SEE Blastophagus psenes
Blastophagus psenes 5313 60665*
Blastothrix coryli 92530
Blatta orientalis 4447 92638
Blatta transfuga 21460
Blattaria SEE Cockroaches
Blattella germanica
anatomy and physiology 4413 5577 12326 29771 46356 82830 56009*
control 73084 64041*
genetics 5560 46322
Great Britain 73866
insecticide resistance 4335 4363 4364 4413 4447 46322 73084
Blattidae SEE Cockroaches
Blattopteroida 21461*
Bleaching SEE names of bleaching agents; and UNDER specific subjects
Blechnaceae 827
Blechnum 807
Blechnum brasiliense 59375*
Blechnum nudum 827
Blechnum occidentale 16389*
Blechnum spicant 188*
Bledius 5032*
Blepephaeus 92347*
Blepharidopterus angulatus 73303
Blepharis 32819*
Blepharoceridae 82432
Blepharospora cambivora SEE Phytophthora cambivora
Bleptosporium n g 33010
Bleszynskia n g 5463*
Bletilla hyacinthina 42798*
Bletilla striata SEE Bletilla hyacinthina
Blight
Acer 16015
Castanea 15976 15995
fruit 24245
potatoes, SEE Late blight, potatoes
SEE ALSO kinds of blight
Blin G 58427*
Blind SEE Handicapped
Blindness 91688*
Blissinae 38339 47003
Blissus 21305 73765
Blissus leucopterus 73330 92202
Blissus leucopterus hirtus 20861
Blister blight
tea 399 448 24325 67945
Blister rust
currants 8472
gooseberries 8472
Pinus 437 506 8472 8496 33326 53362 59079 67784 67937
Bloat 48124 53993*
cattle 3425 3426 3537 19797 27899 36544 80299 11653* 27790*
causes 11631 19803 45599 62759 62778 62801
control 11495 54293 54338 80375 91036 36602*
prevention 11692 72215

Item

Bloat--Cont
cattle--cont
reviews 72112* 91037*
treatment 45608 72215
dogs 3658
horses 36916
ruminants 36261 79873
sheep 4135
reviews 91037*
Block R J 58415
Blohm G 66648* 67157*
Blood 3186 19512*
analysis and composition 11293 19516 53849 53991 62357 19588* 36300* 79778* 90617*
arachnids 55698
buffaloes 3519 62716 62770
analysis and composition 11639 62710* 62754* 62815* 62833* 62838* 62921*
camels 19510
cats 3672 11768*
analysis and composition 80578*
diseases 3647
tests 11747* 45767*
transfusion 91246
cattle 19858 45629 80350 80476 3413* 11613* 11671* 36653* 45619* 45680*
analysis and composition 3069 3541 3576 11694 19879 27720 36535 36681 36734 54347 62802 62848 72098 72110 72111 80190 80314 90966 3401* 3424* 3540* 11528* 11529* 11550* 11634* 11711* 19865* 19878* 19885* 19935* 19944* 27516* 27655* 27768* 27769* 27846* 36549* 36606* 36619* 36652* 36654* 36687* 36688* 45544* 45560* 45582* 45651* 45684* 54407* 54445* 62905* 72070* 72126* 72132* 72186* 80236* 80284* 80353* 80385* 80435* 80441* 91035* 91039*
bacteria 3534
chemistry 62731*
coagulation 27744* 36730* 45684*
diseases 19865* 54291*
enzymes 19879 36566 27689* 36547* 36591* 36600* 45677* 80419*
groups 3487 11435 11578 19654 27507 27787 62858 62901 62917 62918 91102 11552* 19798* 27510* 27514* 36562* 54416* 71945* 72078* 72228* 80084* 80426* 80449*
reviews 36697*
hydrogen-ion concentration 36551 72110 36712*
letting 72176
parasites 62822* 92049*
plasma 27658 36579 36580 45611 54406 72091 3514* 45564*
proteins 11630 19808 37067 62901 71954 72134 80695 6201* 11582* 19824* 27754* 27836* 36549* 36644* 45657* 54246* 54249* 54255* 72191* 80373* 90970* 90976* 90977* 90991*

Item

Blood--Cont
cattle--cont
serum 12111 27736 36655 45486 54410 62737 62886 62910 72105 80445 90994 91092 3421* 3494* 6201* 11588* 19784* 27865* 27885* 27886* 36742* 62840* 71900* 79998* 80229* 80268* 80269* 90868* 90960*
tests 3303 3451 45661 62904 90862 3574* 11659* 11676* 19778* 27696* 27888* 36631* 54253* 80263* 80264*
transfusions 36723 80356 80476 91018 91065*
vitamins 54406 36717*
volume 20089* 62726*
chinchillas 3727
coagulation 27417* 54009* 79885*
coypus 80596*
dogs 3672 27973 45766 45786 72353 20019* 28015* 80570* 91217*
analysis and composition 3694 36778 3661* 53895* 63041* 72326*
diseases 80529*
enzymes 36824 45761 36808* 80576*
groups 63075
parasites 72337*
plasma 19996 28049
pressure 28032 3698* 91269*
proteins 27960* 63013* 63085* 63086*
serum 3689 11784* 27367* 63035* 72326* 80576*
tests 11750 28062 27971* 45767*
transfusions 91239 91246 45742* 54537*
dried 90609*
ducks 12007 3944* 54769* 54801*
enzymes 27325 27444*
geese 54769*
goats 28462 37250 91674 20381* 28529*
analysis and composition 4151
coagulation 63535*
parasites 28458
pressure 4127
proteins 81123 91728*
groups 62430 45332* 62477*
reviews 3079
guinea fowl 63208*
guinea pigs 63186
hamsters 28149*
horses 3413* 20080*
analysis and composition 3763* 63144* 63162* 63168*
chemistry 91316*
coagulation 11836* 72403*
enzymes 36600* 45842*
groups 62364 63146
hydrogen-ion concentration 36712*
pressure 36915 20078*
proteins 20083 36910* 54617* 91318*
serum 90725 11833* 27367* 54616* 63160* 63164*
tests 54619*
transfusions 28118
vitamins 3781
volume 20089* 91322*

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Item

Blood--Cont
insect food 20616 29526 37550 46780 55353 73667 73887 81478 81519 81520
insects 5554 13007 29421 37933 38181 38328 38551 73768 12510* 20990* 37934* 64205* 73489* 82025*
analysis and composition 4411 4859 29530 82062 37930* 38321* 82032* 82038* 82816* 92292*
enzymes 82039*
groups 29755
hydrogen-ion concentration 4857*
proteins 29734 73881 82108 21471* 82032*
laboratory animals 54684*
man 11950* 11951*
mice 91348
minks 36863 63115 54588*
mules 54617*
parasites 3104* 45260*
pigeons 45970 45971 80880
poultry 3935 37066 72615 11965* 20232*
analysis and composition 3967 11898 11964 11977 11983 20150 20165 20268 37032 46010 46037 72456 72463 72512 72538 72575 72599 72627 72656 72701 80741 91358 91416 3956* 20229* 37064* 53895* 54820* 63266* 91533
coagulation 63328 72614 72698
enzymes 11984 72531 46028* 54769*
groups 3814 3908 3958 54754 63268 63284 72647 80810 28342* 72460*
letting 37037*
plasma 3970 11960 12004 28214 54741 72622 72681
pressure 3969
proteins 11926 37067 63290 72622 72681 72589* 91529*
serum 20130 45970 55353 72599 72646 54764* 54801*
tests 11927 63292*
vitamins 12000
pressure 71813 62360* 62457*
proteins 72111 90725 19526* 19593*
rabbits 72766*
analysis and composition 63386* 80953*
chemistry 80937*
enzymes 4025*
groups 63380
plasma 54868*
proteins 80950 37162* 54867*
serum 12052* 27885* 27886* 91616*
tests 91617*
rats 45851 72434 20107* 20114* 20625* 72446*
reindeer 11578 36281*
ruminants 11243 45298* 53992*
serum 11232 62379 27361* 27413* 36315* 53882* 53919* 62388* 79925*

Item

Blood--Cont
sheep 4122 28462 37250 63393 81094 20406*
analysis and composition 28453 37252 54968 62848 63496 63516 4132* 37253* 37269* 54960* 72830* 72841* 81003* 91039*
groups 62364 63513
parasites 63445*
plasma 4110
proteins 4105 37247 81123 4150* 20357* 37231* 54935*
serum 12111 20370* 63499* 81032*
tests 11676*
vitamins 4111 4113 63451
substitutes 19496*
swine 12270 37360 12237* 12273* 28674* 46266* 91855*
analysis and composition 63637 4186* 20497* 28696* 37338* 37419* 53895* 55088* 63654* 81275* 91818* 91869* 91897*
enzymes 20482 4252*
groups 37345 37393 62364 63615 63667 72984*
letting 37346* 91869* 91885*
plasma 81326*
pressure 4245*
proteins 4185 28693 37395 63629 81210 81296 20527* 37402* 81278*
serum 37352 12242* 20540* 27367* 91836* 91869*
tests 28641* 72984* 91837*
transfusions 91855* 91867*
volume 12236*
tests 27388 36318 62383 62493 79780 19441* 27445* 45297*
ticks 20381*
transfusions 19496* 19504* 79956*
turkeys
analysis and composition 3880 80792
plasma 37018 46041
pressure 3950 11999
serum 80880
utilization 91368*
SEE ALSO Erythrocytes; Hemoglobin; Leucocytes
Blood banks
livestock 36272
Blood-brain barrier 63031
Blood glue 90405*
Blood meal 6406* 54719* 63095* 81284*
Blood meal, insects SEE Blood, insect food
Bloody milk 91139*
Blossom blight
peaches SEE Brown rot, peaches
pears 77116
Blossom end rot
tomatoes 1090 77691 33970* 42638*
Blowers 74164 21643* 64902* 73954* 92886*
Blowflies
anatomy and physiology 29421 73663
and disease 37575
as pests 12384 63872

Item

Blowflies--Cont
as pollinators 55218
control 12323 28842
habits and behavior 38245
hosts 28894
nutrition 5157 21179 21183
rearing and breeding 5157
SEE ALSO Calliphoridae
Blue Book of Fur Farming 45815
Blue comb 37104 45948 11973* 46000*
Blue mold
tobacco SEE Downy mildew, tobacco
Blue stain 19173* 35956* 62090*
Abies balsamea 41863
Pinus 27055 55582 10949*
SEE ALSO Sap stain
Blueberries
anatomy and physiology 1300 16625
breeding 9649
canned 6715
costs and returns 23375
culture 25660 88940
Canada 1720
Georgia 51970
Germany 17378*
Michigan 78082
New Jersey 69768
Oregon 88938
Scotland 88941
diseases 1720 24168 41925 58875
fruit set 8805
genetics 50831
harvesting 40409
industry 75068*
male-sterile 16435
marketing 78082
nematodes 50543
pest control 37751 58875
pests 1720 13028 29723 92195 4690*
pollination 8805 60255
processing 6698
propagation 1720
statistics 31077
varieties 25660 51970 60713
weed control 25945 52254
Blueberry maggot SEE Rhagoletis pomonella
Bluegrass SEE Poa
Bluestem SEE Andropogon
Bluetongue 4121 4130 11646 81084 12126*
Blyxa octandra 68306
Boalda gyona 47199
Boang
coconuts 8959
Boarmia consonaria 47175*
Boarmia maculata bastelbergeri 82741*
Boarmia repandata 82741*
Boarmiidae 5529
Boars
abnormalities 37405* 81162*
anatomy and physiology 4171 81164
and heredity 28551 28552 37310 46178 91785 37294* 46167* 81160* 81167*
care 20440 28571
Denmark 91770*
diseases 4246 28569 46219 46237* 72908*
feeding and nutrition 12187 20441*
fertility 12187 46176 4181* 4191* 28556* 28559* 28572* 37297* 54996* 55001* 91771* 91783*

Item

Boars--Cont
injuries 12173*
prices 14401
records and testing 14401 20452* 81156* 81158*
Australia 91776
France 72898* 81150*
Great Britain 4170 20435 91754 91775
Poland 72916*
Yugoslavia 54997*
selection 81153* 81158* 81167*
weight and measurement 91761*
Bobeck F 41156*
Bocconia cordata SEE Macleaya cordata
Bochartia 4955
Body fluids 71860 90700 90753 11148* 11149*
cattle 36642 45649 62732*
dogs 20028 63057
insects 82095
sheep 4104
Body louse SEE Pediculus humanus humanus
Boea 90 32696
Boerenbond Belge 85547*
Boerhaavia diffusa 68335
Boerlagiodendron 50085
Boeuf F 41209* 67234*
Bogatia maxillaris 46799*
Bogdanov E A 86215*
Bogor Botanic Garden 23956
Bogotá Instituto Nacional de Abastecimentos 75976*
Bogs 89601*
Austria 82705*
Canada 47091
Finland 26342* 50594* 52542*
Germany 16209*
Ireland 10378 77936 78791
Minnesota 16211 44723
Sweden 38057
Switzerland 77334*
USSR 9330* 18409* 18522* 68092* 68176* 68177* 69578* 70440* 70587* 78910* 87140* 87196*
SEE ALSO Marshes; Peat bogs; Swamps
Boissier E 49841*
Bolacothrips 5588
Bolbomyia 12866
Bolboschoenus compactus 9884*
Bolboschoenus maritimus 52290*
Boleman G 67178*
Boletaceae 1179 33023 50143
Boletales 67631
Boletellus 67648
Boletina 29472*
Boletinus 1179
Boletus edulis 9020* 59073* 88246*
Boletus impolitus 41557* 67655*
Boletus luteus 52623
Boletus rhodopurpureus 86573*
Boletus rubinus 41557*
Bolitophila 29473
Bolivia Serv Agricola Interamericano
Div de Economía Agrícola 31658*
Boll rot
cotton 8462
Boll weevil SEE Anthonomus grandis
Boloria 21378*
Boloria selene 64589
Bolsward Rijkszuivelschool 6178*
Bolz W 8063* 8064* 32568* 76754*

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Item

Bombacaceae 20907
Bombax 24013*
Bombax ceiba 24013*
Bombay Cotton Annual 6464
Bombay Dept of Agriculture 15485
Bombay Millowners' Association 6463
Bombinae SEE Bombini
Bombini 82625*
Bombus
abnormalities 73784
anatomy and physiology 47102 64557 82618
Arctic Region 82626*
as parasites 12955*
as pollinators 4371 4823 28765 55185 73437 81965 91962 12708* 63772* 73131*
China 38415*
eggs 82618
Finland 12955*
food and host plants 82605
geographic distribution 55909
habits and behavior 29608 46683 55630 82605 5300* 12965* 21327* 21349* 82627*
Nebraska 92554
North America 55909
parasites 38369 64557
rearing and breeding 55185 82606 91962 37467* 73131*
Southeast Asia 55904
Sweden 55883*
taxonomy 82622 38415*
Bombus agrorum 21349* 63772*
Bombus americanorum 55630
Bombus flavifrons 73784
Bombus hypnorum 21327*
Bombus lapidarius 82606
Bombus morio 29608
Bombus terrestris 82606
Bombycidae 5492*
Bombyliidae
as parasites 5139 29588 73718*
Czechoslovakia 64466*
nomenclature 64418*
Kenya 82361
North Africa 82488*
North America 73694
Rwanda-Burundi 38180*
taxonomy 82415
Bombylius 73694
Bombyx mandarina 37920* 82067*
Bombyx mori 65623
abnormalities 37944*
anatomy and physiology 4848 4850 4859 12718 29226 37922 46700 46711 46720 64223 73475 73486 73492 73500 82046 4849* 4858* 29222* 37914* 37919* 37928* 37929* 37930* 37934* 46721* 46723* 46724* 64205* 64206* 64226* 82025* 82026* 82033* 82042* 82068* 82069* 92292*
biochemistry 20983 55628 82028 20980* 20994* 29223* 37931* 37941* 37943* 46707* 64210* 82018* 82032* 82038* 92293*
cocoons 73479 73503 75012 82053 82057 4846* 20982* 20993* 20996* 37926* 37939* 46714* 64217* 64219* 64221* 64224* 73463* 73469* 73470* 73491*

Item

Bombyx mori--Cont
cocoons--cont 73493* 73502* 82041* 92288*
cytology 55627 82028 12717* 12719* 20990* 82017* 82069*
development 37918 82047 12722* 29218* 37935* 64213* 73489* 82033* 82034*
disease resistance 73465 37913* 37916* 82017*
diseases 20998 37912 46701 55622 73465 4843* 4857* 12720* 12721* 29221* 37917* 37929* 37942* 37947* 46708* 46718* 64207* 64208* 82017* 82051* 82052* 82064* 82069*
control 73481 20978*
history 64209*
induced 4844* 4845* 12714* 12715* 20979* 37913* 37915* 37927* 46728* 82035* 82068*
transmission 46709
eggs 4860 29230 73482 82061 4861* 29220* 29222* 37943* 37945* 64222* 64226* 73502* 82042* 82044* 82051*
enzymes 4855 21000 55623 55624 64212 4842* 4847* 29228* 37924* 37925* 46705* 64211* 64213* 82060*
genetics 20991 21000 73476 73501 20982* 20996* 20999* 37937* 37938* 37944* 37946* 46704* 46717* 46725* 64225* 73466* 73484* 73488* 82022* 82045* 82067*
research
statistical methods 29224
larvae 4855 55624 73474 73486 12722* 20986* 20988* 20989* 37929* 37939* 73464*
anatomy and physiology 29227 82027 82062 4851* 37943* 46703* 64210* 64218* 64224* 73489* 82060*
metabolism 37921 73496 73498 20992* 46716* 73484*
nutrition 20985 73474 73497 73498 82036 20984* 20986* 20988* 20997* 29215* 37910* 37911* 37932* 46706* 64214* 64216* 73462* 73463* 73464* 73467* 73489* 73495* 82018* 82020* 82021* 82025* 82034* 82037* 82040* 82066* 89423* 92289* 92291*
poisoning 20989* 46722* 64203* 73485*
pupae 82047 37917* 46702* 64219* 73489*
races 73477—73479 73481 73483 82054 82062 4846* 37920* 37923* 46714* 46717* 46725* 46726* 64224* 73473* 73488* 82041* 82045* 92292* 92293*
rearing and breeding 29216 73478 82061 29219* 45167* 46719* 46726* 73468* 73488* 82016*

Item

Bombyx mori--Cont
rearing and breeding--cont 82019* 82022* 82023* 82037* 82050* 82067*
Europe 82066*
history 82050*
India 73482 73483
Italy 46714* 46715* 73471* 73472* 73487* 82029* 82030* 82048* 82049*
Japan 73503 20997* 64204* 64215* 64216*
Malagasy Republic 82058*
sanitation 4857*
Spain 82055*
Thailand 29229*
Turkey 82059
USSR 64220* 73467* 73473*
United Arab Republic 73477
research
statistical methods 73478 46723* 64219*
silk production 92292* 92293*
SEE ALSO Sericulture
Bömer number 48639* 57395*
Bomis 82201
Bonamia 86505
Bond van Keurmeesters van Vee en Vlees 75435*
Bondorff K A 8049*
Bone char 22864 22865 31597*
Bone fat 75485* 93806*
Bone marrow
cattle 11703 80345 54225* 80285*
dogs 11782
horses 20080*
mice 91348
poultry 20232*
sheep 37269*
Bonemeal
feed 4230* 37324* 54719* 63255* 79708* 79735* 83975* 90713*
fertilizers 18360 39432 44137
in human nutrition 76587
microorganisms 90713*
Bones 11279 36251* 45334* 54062* 80657* 90591*
cats 3692 20008 20023
cattle 45686 54276 45662* 91032*
analysis and composition 36645 62734 62912*
diseases 91014*
chinchillas 36866
diseases 27318 79848 3105* 11325*
dislocation 53894 36325*
dogs 3659 3668
diseases 20008 28013 63052 45774* 63018* 63065* 91240*
dislocation 27966 28024 63026 36814* 72307*
grafting 54505*
horses 80641 36909* 72411*
poultry 3890 28242 37085 54761 80838 63283* 63370*
analysis and composition 3938
diseases 11965*
rats 54678*
sheep 28478 54947 91726 28436* 91693*
swine 20500 63692 28665* 37391* 72998* 81337*
analysis and composition 4275
diseases 91853*
weight and measurement 90683*

Item

Bones--Cont
SEE ALSO Skeletons; and names of bones
Bonneria n g 8270
Bonnier G 41169*
Bonuses SEE Incentives
Bookkeeping SEE Accounting
Books for farmers 49491 85867 82989* 94648*
Boophilus annulatus microplus 11559 12421 20613 28862 63850 73133 81532 81565 28885* 28906*
Boophilus decoloratus 20579 20609 92009
Boophilus microplus SEE Boophilus annulatus microplus
Boophthora erythrocephala 64463*
Boquila trifoliolata 43020*
Boragin 63319*
Boraginaceae 8218 8258* 68310*
Borago officinalis 68310*
Borassus flabellifer SEE Palmyra palm
Borax 35773
Borchert A 41170*
Bordeaux mixture 16022 33293 50324 58968 86867 24284* 24288* 67863* 77141* 77146* 78645* 86769* 86796* 86841*
Bordet J 58407*
Bordetella bronchiseptica 28670
Borellia 92002*
Boreophila 47130*
Boric acid
effects on plants 87886*
effects on seeds 9285 69006* 69039* 77387*
effects on tannins 84719*
fertilizers 35393*
toxicity 12663
Borna disease 11851* 72410* 81070*
Borneol 31393*
Börnerina 29565
Bornetia secundiflora 60119*
Borohydrides 48233 93735
Boron
effects on plant disease 33895 60214 51121*
effects on plants 994 1030 1150 1175 16660 16719 33890 33901 51026 68909 1218* 1220* 8341* 8997* 9039* 9040* 50802* 51121* 59613* 59814* 59916* 69038* 87936* 87974* 88023* 88226*
fertilizers 70260 35332* 35393*
alfalfa 52853 70626* 70627*
carrots 61421* 68666*
cauliflower 10302
cotton 52784 52819
field crops 10238
fruit 87676
grapes 61393*
Hakea multilineata 35328
sugar beets 2347*
tobacco 68755*
wheat 2347*
herbicides 61013*
in animal nutrition 61255* 61258*
in plant nutrition 1209 9155 24811 25039 34131 35773 51085 51254 59829 87676 33848* 34164* 60035* 60167* 87960* 87961*
bibliographies 994

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Item

Boron--Cont
in plants 22580 51026 87675 61255* 61258*
in soils 78347 2108* 50802* 61255* 61258* 70291* 78327* 78360* 89522* 89739*
bibliographies 2081
in sugar manufacture 85049*
in wine 6120* 61344* 65324*
wood preservatives 2853 53577 71422 71436 14199*
reviews 44988
Boron compounds 33268* 79602*
Borophaga 82360
Boropis SEE Plesiomma (Boropis)
Borrelia 11559
Borrelia anserina 12422
Borrelia duttoni 73181 28848*
Borrelli G 8023* 32554*
Borrelinavirus alpicolae 82666*
Borreria 50751*
Bosea cypria 8757*
Boskoop Proefstation voor de Boomkwekerij 1751*
Bossiaea foliosa 35034
Bostandyk Selektsionnaya Stantsiya Gornogo Sadovodstva i Vinogradarstva 69703*
Bostra 47130*
Bostrichidae 55717
anatomy and physiology 29400 81884 82213 92357*
as pests 20908
control 81443*
collections 12852*
habits and behavior 92357*
larvae 12802
taxonomy 12854*
types 12853*
Bostrychia flagellifera 224
Bostrychidae SEE Bostrichidae
Boswellia ovalifoliolata 41356
Boswellia serrata 4763 4771
Botanic gardens 15744 23881 49904 49953 49966
Australia 41239
Brazil 15724 8119*
California 45 1824 32656
Canada 25 26
Canary Islands 9
Ceylon 124
China 67361*
Delaware 32684
Denmark 23860*
Florida 15663 58550 76879
France 32671*
Germany 41303*
Great Britain 23857 41292 76869
history 8163
India 58516 86368
Indonesia 23956
Ireland 32663
Missouri 58528 67293
Netherlands 69823
New York 41248
Nigeria 49931
Poland 67379*
Republic of South Africa 8148 8149 32685
Rumania 67300* 67309* 67344* 67345* 67366* 67369* 67512*
Senegal 86282*
Sweden 50042*
Switzerland 15625*
USSR 48 8191* 8255* 9740 23875* 35070* 67295* 67336* 67362* 86309* 86342*
Venezuela 55

Item

Botanic gardens--Cont
Virginia 86352
Wisconsin 8170
SEE ALSO names of botanic gardens
Botanical Society of America 86292
Botanists 49904 86173
California 23901
Great Britain 63708 82745
North America 41171
Pakistan 67373
Switzerland 76885*
Botany 3 39 15646 23858 41309 49974 58503 58531 67299 67353 67364 86336 59* 8157* 25534* 32634* 49833*
Argentina 49951*
associations 15684
Czechoslovakia 76858* 76872*
India 41272*
Norway 58535*
Sweden 58556*
USSR 15623
Basutoland 58507
bibliographies 8137 8138 8163 41240* 67292* 82092*
Sweden 86322*
West Virginia 86300
Brazil 76683 76684 40*
China 35 41298
conferences and congresses 49936 86292 8122* 86365*
Congo 8142*
Denmark 15626
dictionaries 23722 15703*
equipment 32 42 1235 2009 8120 8155 8156 15629 15681 16556 16588 32629 32649 33941 41287 41313 41700 42718 42755 49920 49922 49924 49932 49965 49979 58509 58510 58513 58526 58548 58554 59867 77260 87164 87522 87821 87952 87998 8129* 15643* 32624* 32651* 33926* 34166* 41268* 41310* 49942* 49954* 68619* 77202* 86356* 86357* 87590*
explorations 63 49907 58483 58493 58506 58511*
Andes 86314
Asia 49978 67355
Australia 15650 15651 58519
Burma 86362
California 32646 76722
Canada 76835* 86311*
Caucasus 49939*
Chile 32620
China 53116 8700* 32733* 58545*
Finland 67390
Germany 79*
Hawaii 41249 41279
India 23867 76878 41280* 58482*
Malagasy Republic 15652*
Malaya 8226
Nepal 41354* 41366* 41468* 41488*
New Zealand 41252
Norway 58502*
Pakistan 67329
Senegal 86380*
Thailand 8
Turkey 27*

Item

Botany--Cont
explorations--cont
USSR 8167* 58484* 67315* 67334* 67337* 78207*
West Africa 41271
Florida 32682
Germany 5* 86321*
Hawaii 77490
history 49970 58534 76833 32637* 86347*
Australia 64
Austria 49984*
France 58540*
Great Britain 86385*
India 67302
Mexico 49935
USSR 23795* 49971* 58484* 58515* 86385*
Hungary 8118* 86323*
Israel 42716
Italy 76816
Japan 32621 76818 88029
New Guinea 58495
nomenclature 67 78 15695 23910 32707 50007 60208 67378 34* 8188* 15687* 16230* 41318* 41319* 50003* 58602*
SEE ALSO Plants, names
Panama Canal Zone 67312
periodicals 41247 49981 76890
Poland 86291*
Republic of South Africa 15643
reviews 58499*
Spain 32675*
statistical methods 16527 42611 59948 86395 87367 60* 16324* 59784* 59785* 68672* 87558*
study and teaching 29 57 23853 23898 42350 67310 76833 86317 86384 23863* 23869* 76896* 86373*
Austria 8222*
Germany 89445*
East Germany 8116*
Great Britain 32667
Netherlands 19*
Pakistan 67373
Spain 18670*
USSR 86359*
systematic 51481 76907 51536*
taxonomy 68 76 78 4898 8182 8184 23915 25745 29272 32707 32711 37994 41330 49985 49987 50001 50006 50007 50742 50750 50865 51497 58584 58595 67382 67389 76914 86393 86412 15700* 15709* 50003* 58602* 76909* 86387* 86405*
techniques 30 38 44 46 50 785 1174 8229 8652 15631 15662 16561 16844 23888 24682 25021 25175 32626 32664 32683 34263 41270 42321 42828 49973 51068 51204 58491 58557 68647 68995 69138 77380 86316 86325 86333 86334 86353 86364 87711 6* 944* 1245* 9173* 16666* 16954* 23892* 24581* 24676* 32662* 34124* 43040* 49948*

Item

Botany--Cont
techniques--cont
50827* 58543* 59595* 60095* 60103* 60326* 67317* 67651* 68212* 68244* 68293* 69131* 69211* 76826* 76837* 87317* 87815*
reviews 58494*
terminology 23873 49977 15703* 16222* 16537* 41273* 43294* 58539* 58541* 58809* 76819*
USSR 15678 67370 86535 32679* 58479* 76727* 86328* 86346* 86377*
Vietnam 15674
SEE ALSO Astrobotany; Ethnobotany; Flora; Paleobotany; Plants; Vegetation
Bothriochloa 50697
breeding 88562
genetics 16437
hybrids 16295 41368 41454 42193
Bothriochloa decipiens 68263
Bothriochloa intermedia 1023 59388
Bothriochloininae 59388
Bothynoderes punctiventris SEE Cleonus punctiventris
Botrychium 200
Botrychium lanuginosum 16376 77397
Botrychium multifidum 32876 58741
Botrychium oneidense 32876
Botrydesmus 4936
Botryosphaeria 59008
Botrytis 16072* 67802*
Coniferae 67953*
Dahlia 41901
grapes 84320
Ilex opaca 67769
tomatoes 41744*
Botrytis allii 8512
Botrytis cinerea 15990 15991 24242 33226 33270* 33277* 59043* 59069*
anatomy and physiology 33980
apples 33266*
broadbeans 8438 8439
Coniferae 16019
Digitalis lanata 24225*
grapes 24374* 86765* 86935*
lettuce 33262*
Ocimum 33262*
pears 33266*
strawberries 24252 58932 67774 67813*
sugar beets 24368* 86730* 86760* 87749*
tomatoes 59090 33262*
Botrytis fabae 8438 8439 8479 77578 86856*
Botrytis paeoniae 77192
Botrytis parasitica 33237*
Botrytis squamosa 8475*
Botrytis tulipae SEE Botrytis parasitica
Bottles SEE SUBHEADS bottling; containers UNDER specific subjects
Botulism
cattle 36675*
horses 36905* 36911*
man 47747* 74419*
minks 28083 36864
poultry 3953
sheep 36675*
vaccines 36911*
wildlife 4506
Bougainvillea 1806 9698 16365 42275
Bougainvillea glabra 373
Bougainvillea spectabilis 1391
Bourletiella 21488*

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Item

Bourreria 67377
Bouteloua curtipendula 59753 60586 88631
Bouteloua eriopoda 25175
Bouteloua gracilis 32760 59753
Boutflour R 23799
Bovicola ovis 92004
Bovine petechial fever 62774
Bovistella 24077
Bovistella paludosa 59259*
Box SEE Buxus
Boxes 73977 83107 93002 48416* 48420*
Boxiopsis n g 12929*
Boxiopsis madagascariensis 12929* 21291*
Boy Scouts of America 32242
Boyce Thompson Institute for Plant Research 42479
Boysenberries 37752
Brabender apparatus 39794
Brachiaria brizantha 11152 11189
Brachiaria mutica 42852
Brachiaria ramosa 1967
Brachiaria ruziziensis 77480
Brachiolejeunea 24052
Brachmia 64596
Brachycaudus persicaecola SEE Anuraphis persicaeniger
Brachycera 64407* 82396*
Brachycolus tritici 12457
Brachycoraebus 46878*
Brachycyrtinae n sfam 92542*
Brachydesmiella n g 266
Brachygluta 46904*
Brachygluta giordanii 82306*
Brachyglutini 12817*
Brachyiulus unilineatus 38055*
Brachylaemus erinacei 3688*
Brachymeria 29592 47082
Brachynarthron n g 92348*
Brachynema 38315
Brachynotocoris 5232
Brachynus 46841*
Brachypnoea 82215*
Brachypterolus pulicarius 28769
Brachyrhinus cribricollis 46856
Brachyrhinus rotundatus 38139*
Brachyrhinus rugosostriatus 81761*
Brachyrhinus sulcatus 81828 81761*
Brachysomida 82284
Brachysomus strawinskii 82238
Brachystegia spicaeformis 11135
Brachystomella surendrai 13080
Brachyunguis 38293
Bracken SEE Pteridium
Bracon 5283 82603 82632 87368 92550 29622*
  reviews 82654
Bracon (Foveobracon) n sgen 29622*
Bracon gelechiae 21323
Bracon (Glabrobracon) 29622*
Bracon hilaris 82604*
Bracon (Lucobracon) 29622*
Bracon (Pilibracon) n sgen 29622*
Bracon (Sculptobracon) n sgen 29622*
Braconidae
  anatomy and physiology 29434 38396 82637 64571*
  as parasites 4384 4405 5302*
  Czechoslovakia 47063*
  ecology 64571*
  Europe 38390 92561 47075* 47077* 47080*
  Great Britain 38375

Item

Braconidae--Cont
  habits and behavior 5331 38396 47105 55885 73793 82637 64571*
  Hawaii 5276
  hosts 5242 73793 82767 92561 82279* 82604*
  Japan 47124
  North America 5303
  Northern Ireland 38408
  rearing and breeding 82638 92166*
  Sweden 92549*
  taxonomy 5276 5303 5310 12975 92561 5289* 5290* 29622*
  Thailand 55914
  USSR 73791*
  Western States 64553
  Wisconsin 47114
Bradsot SEE Malignant edema, sheep
Bradybatus 55727
Bradylema 82272*
Bradynotes 29754*
Bradysia 29483*
Bragantia wallichi 33691
Brain 62454 79749*
  anatomy and physiology 45265*
  arthropods 55682*
  asses 72415 81324
  camels 19585
  cats 20010
  cattle 19819 62924 79794 27752* 80378*
    diseases 11626 27901 54319 72136*
  diseases 90628*
  dogs 20005 80581
    diseases 11772 28046 54566 63050 72346 54538*
  goats 37254 72820 79794
  guinea pigs 11861*
  hamsters 3807
  horses 45834* 54618*
  insects 4848 12988 29480 29579 38533 82760 82898 13072* 38497* 56017* 64514* 64700* 82520* 92303*
  pigeons 72685
  poultry 28247 45973 54791 63384* 72639*
  rabbits 12053 63384*
  rats 55287* 81473*
  sheep 28503 79794 81030* 81033*
    diseases 37254 28528* 37353* 54921*
  swine 81324 12245* 81334*
Brakes 29998* 30019* 38759* 64951*
Bran
  color 48547*
  enzymes 31194*
  extraction 65866*
  feed 4081 55010 90534 28620* 46193* 54909* 81862* 91822*
  prices 65928
  quality 31194*
  tests 75315*
  SEE ALSO Rice bran; Rye bran; Soybean bran
Brandenburg E 32560*
Brandy 74588 6159* 83633* 93221*
  SEE ALSO UNDER Monopolies
Brasenia schreberi 51533
Brasilaphthona 82215*
Brasilazia 55745*
Brassia antherotes 24027
Brassia lawrenceana longissima 24027

Item

Brassica
  anatomy and physiology 16657 81732
  bacterial diseases 24393
  breeding 60892*
  fungus diseases 50287 67766
  India 40059
  male-sterile 24735
  pest control 12472 12494 12495 12524 46523
  pests 46524 73744 81664 81666*
  seeds 66198 67766 75609
  utilization 39531
  virus diseases 577
  weed control 43821
Brassica alba SEE Brassica hirta
Brassica campestris SEE Bird rape
Brassica hirta
  anatomy and physiology 51220 16802* 34029* 59850* 68551* 87775*
  control 43754*
  ecology 68158
  pests 63952*
  seeds 1982*
Brassica juncea 12524
  breeding 17229 42441*
  culture 60871*
  cytology 68266*
  fungus diseases 23324
  pest control 4667
  pests 81732
Brassica kaber 77561 78220 749* 33850* 89286*
Brassica napus SEE Winter rape
Brassica nigra 42776 77981*
Brassica oleracea
  anatomy and physiology 16769 68337*
  biochemistry 69188*
  breeding 68478*
  culture 17636* 25857*
  pests 4608
Brassica oleraceae acephala SEE Kale
Brassica pekinensis SEE Chinese cabbage
Brassicaceae 42857*
Brassicol SEE Pentachloronitrobenzene
Brassolidae 73824
Braula coeca 46682*
Brauwelt 13644*
Brazil Comissão Nacional de Alimentação 83313*
Brazil Escritoria Tecnico de Agricultura 23136*
Brazil Junta Nacional do Algodao 13947*
Brazil Ministerio da Agricultura 94849*
Brazilian sassafras oil 75533
Bread
  acids 93692*
  consumption 14217
  feed 19982
  fortified 7964 7966 15472 49735 23686* 32475* 49726* 49739*
  history 22472 39874*
  ingredients 74767*
  nutritive value 7960 15472 23699 7965* 15475* 23686* 48905* 86069* 86084* 86096*
    reviews 48548*
  prices 84510 48905*
Breadfruit 9940
Breakfast foods 32438 57168
Breast blisters 45875 54763 54767 72603
Bremen Baumwollbörse 30759 74948 93482*
Bremen Handelskammer 40964*

Item

Bremia lactucae 24342 86780 86789 33270* 52134 59043*
Brenneckella 68670
Brenthidae SEE Brentidae
Brentidae 38133 5023* 64368* 82246* 82267*
Bretschneider R 23788* 32542*
Brettanomyces 32965
Brettanomyces custersianus 33021
Brevennia krishtali 73764*
Brevibacterium linens 56632
Brevicoryne brassicae 21293*
  anatomy and physiology 12927 73749
  control 12494 29001
  cytology 46992*
  parasites 46450 63905
  populations 46450 73744 5251*
  predators 55746*
Brevilegniella n g 8289
Brevilegniella keratinophila 8289
Brevinarkon 36622* 37363*
Brevipalpus 21041
Brevipalpus australis 12529
Brevipalpus californicus 92336*
Brevipalpus obovatus 46606
Brevipalpus phoenicis 12529 73278 63955* 92336*
Breweria 86505
Brewers' and distillers' by-products 6150
  conferences and congresses 74898
  culture media 31097* 42979* 65340*
  feed 11512 27287 36494 54731 71647 71677 72560 74898 81177 93463 13390* 53782* 71902* 80131* 91799* 91800*
  fertilizers 40194
  vitamins 27287
Brewing 6161 13655 21950 30404 39145 39189 47859 47867 47877 56543 56585 65299 65338 93205 6832* 21956* 30426* 47843* 93201*
  associations 47846 83610*
  Austria 83706*
  Belgium 39135*
  bibliographies 13615*
  chemistry 39154*
  conferences and congresses 39114 39177
  directories 39125
  equipment 13673*
  Europe 47848
  Germany 6133* 6147* 13624* 21956* 30375* 30376* 30377* 56546* 56547* 65326* 65335* 83674* 83675* 93241*
  Great Britain 56532 83615
  history 47846 13672* 56559*
  industry 13670 6155* 21969* 21981*
  Netherlands 56533* 56562*
  North America 47850
  periodicals 13644*
  regulations and inspection 93252
  reviews 21966 30435 65327
  Rumania 74577*
  statistics 83581
  study and teaching 56571*
  Tropics 39144
  USSR 21981*
  SEE ALSO Beer; Wort
Brewing Industry Research Foundation 56532

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Item

Bridges 11000* 71387* 79128*
Brigalow SEE Acacia harpophylla
Brilliant blue FCF 54295
Brimeura amethystina 86422*
Brine 48449 83551 48084* 66083*
  bacteria 22024 48622 48638 30637* 47646* 48687*
Bristlegrass SEE Setaria
British Columbia Dept of Agriculture 94837
British Columbia Forest Serv 90023
British Guiana Sugar Experiment Station 88733
British Museum (Natural History)
  Oliver Collection 62
British Small Animal Veterinary Association 90592
British Wool Marketing Board 93483
Brixometer 84211
BRL 1241 SEE Celbenin
Broadbeans
  analysis and composition 39636
  anatomy and physiology 1129 60212 68673 68915 77711 88074 16617* 24800* 33888* 34070* 68742* 68785*
  biochemistry 34285 51581 88110*
  breeding 24751
  chemistry 14063
  culture 52110 25426* 25461* 43593* 43594* 88603* 92754*
  cytology 745 24566 24589 33600 33734 42235 42236 42296 50718 68399 77375 77390 33818* 42276*
  equipment 92754*
  feed 54909*
  for processing 43593*
  fungus diseases 8438 8439 15992*
  genetics 87455 33818* 77423* 87398*
  harvesting 83119* 92754*
  history 25445
  mechanization 56060*
  morphology 59588*
  pollination 87851*
  proteins 88110*
  seeds 25426* 68785* 88110* 93153*
  soils 88603*
  varieties 9479* 69599*
  virus diseases 68031 33403* 68033*
  weed control 34967 34991 43794
  yields 69525* 87851*
Broccoli
  anatomy and physiology 60034
  culture 52143
  fungus diseases 67796
  labor 31766
  packing 39720
  pests 4623
  planting 17553 17673
  storage 84323
  virus diseases 77224
Bromates 6789
Bromegrass SEE Bromus
Bromeliaceae 118 176 8250 32858 43547 52054 60821*
Bromides 14243 47862*
Bromine 48550 65076 61152*
2-Bromo-2-chloro-1,1,1-trifluoroethane 28110 36915

Item

Bromodan 92213*
para-Bromophenyl isothiocyanate 91676*
Bromosulfophthalein SEE Sulfobromophthalein sodium
Bromotheres n g 82382
5-Bromouracil 41944 50907 67957*
Bromsulfophthalein SEE Sulfobromophthalein sodium
Bromsulphalein sodium SEE Sulfobromophthalein sodium
Bromus
  anatomy and physiology 1172 24879
  biochemistry 1365
  control 24879
  cytology 24618
  fertilizers 18370
  nutritive value 36508
  seeds 1365
  taxonomy 15810*
  virus diseases 16120 16126
Bromus catharticus 88642
Bromus erectus 8649* 50624*
Bromus inermis 34514
  anatomy and physiology 16796 42903 51097 9044* 64401* 69066*
  culture 16390
  fertilizers 51097
  fungus diseases 8469
  morphology 16390
  pests 64401*
  planting 16390
  seeds 59753
  soils 9044*
  yields 34485
Bromus riparius 64401*
Bromus rubens 42726
Bromus secalinus 51801*
Bromus tectorum 1085 89272 59961*
Bronchi 80380*
Bronchitis
  poultry 46027 63271 80791 91510 28301* 37059*
    diagnosis 45957
    immunization 54777 3893* 54803*
    virus 3931 46027 91510
  rabbits 20315*
Bronchopneumonia 72225*
  cattle 72225 36632* 54303* 54391* 62949* 80306* 80393*
    causes 54300*
  sheep 72817* 81107*
  swine 12243 12259* 37354*
  SEE ALSO Lungworms
Brontispa limbata 12838*
Brooders
  poultry 47323 56101 92738 92742*
  swine 13183 56109
  turkeys 20288 80910
Brooklyn Botanic Garden 41248
Broomcorn 22802 67663* 69454* 70117*
Broomcorn millet SEE Proso
Broomhall's Corn Trade Year Book 6752 93688
Broomrape SEE Orobanche
Broomweed SEE Gutierrezia dracunculoides
Brosig method 62902*
Brotherella 68411
Broughtonia 645 23963
Broussonetia kazinoki 39522
Browallia americana 59519*
Browallia demissa SEE Browallia americana
Brown E 32544*
Brown J E Forest Flora of South Australia 67383
Brown R W 49781

Item

Brown-banded cockroach SEE Supella supellectilium
Brown Forest soils 18133 44111* 70495* 78579* 89478*
Brown leaf spot
  Bromus inermis 8469
  rice 379
Brown-Podzol soils 89631*
Brown-Red Podzolic soils 89670*
Brown-Red soils 52472* 78579*
Brown rot
  citrus 14162
  peaches 24346 33254
Brown rust
  wheat 443
Brown soils
  Australia 2117
  Czechoslovakia 10284*
  Germany 18182* 43900* 44094*
  Iraq 35143
  Poland 10103* 10131* 18833* 70198* 70268* 70407* 70408* 89615*
  Rumania 78657*
Brown spot
  corn 24212
  tobacco 59087
  wildrice 24200
Brown stripe
  sugarcane 50366
Brown-tail moth SEE Nygmia phaeorrhoea
Brownlowia 8223
Browse 2747 25440 80289 91656 36198* 53788*
  Florida 53435
  Georgia 53486
  Germany 10867* 79370*
  Yugoslavia 36550*
Brucella 3101 3155 3488 45320 62389 81321 90709 6961* 19547* 19549* 36244* 39922* 39962* 45672* 53815* 53962* 53965* 54267* 57268* 62387* 63808* 71789* 72617* 72859* 79862* 90595*
  reviews 19442
Brucella abortus 3123 19524 27859 27860 36293 36309 36546 45649 62823 80340 90707 90708 91048 4255* 28152* 28153* 36266* 36451* 46085* 54910* 55061* 71771* 72162* 72870* 80323* 80409* 90969*
Brucella bronchiseptica 12243
Brucella melitensis 19560 81017 36331* 53955*
Brucella ovis 37240
Brucella suis 62342 81270 91854 36266* 55061* 91866*
Brucellaceae
  reviews 19442
Brucellosis 3101 3155 62342 79932 27463* 36244* 62450* 79869*
  Angola 11304*
  cattle 3488 3502 19560 27859 27860 36586 62823 80409 80415 90981 91048 11588* 11671* 11704* 36331* 36451* 39962* 54267* 54335*
    Brazil 3422*
    control 36546 36639 72105 27801* 36588* 54429*
    Austria 27737*
    Czechoslovakia 80311* 80330*

Item

Brucellosis--Cont
  cattle--cont
    control--cont
      France 19835*
      Germany 72137*
        East Germany 62883*
      Israel 62745
      Italy 36635*
      Netherlands 45705*
      Switzerland 19825*
    diagnosis 54268 54348 19853* 27710* 27806* 27850* 36555* 36649* 45624* 45672* 54323* 72173* 90969* 91044* 91131*
    eradication 3559 62934 72197 91038 91073
      Czechoslovakia 80310*
      Germany 45604*
      Sweden 72096
      Tasmania 54364
    immunization 19845 72103 80301 80340 11582* 11612* 11686* 19823* 19922* 19923* 36549* 72172* 72173* 80417* 80466* 80474* 91054*
      Great Britain 62797
    India 80226
    Italy 54258*
    Japan 45673
    Kansas 19884
    Michigan 3594
    Netherlands 54414
    Northern Ireland 72202
    prevention 11685* 45557* 54451*
    resistance 72095* 72162*
    reviews 90981
    Rwanda-Burundi 27876*
    transmission 71789*
    vaccines 6325*
  causes 71775*
  control 53841 90742 90745 71858* 79866* 90650*
  diagnosis 62435 90708 19455* 62387*
  dogs 62398*
    reviews 27969
  eradication 11364 79846 71753*
  goats 19560 36331* 72874* 81110*
    diagnosis 54953*
    immunization 37275 81017 20417*
    Italy 28512*
    transmission 37233 71789*
  guinea pigs 28152* 28153* 80936*
  horses 20070
  immunization 54003*
  man 79811 28512* 36541* 80656* 90703*
    Bulgaria 91850*
    Italy 90583*
    reviews 62443*
  mice 36954*
  prevention 71844*
  rabbits 46085* 72764* 80936*
  reindeer 36229* 36245*
  resistance 71775*
  sheep 19560 37240 22618* 36331*
    control 72882* 91730*
    diagnosis 28526* 54953* 72859* 72870* 81124* 91721*
    immunization 91734 91735 20417* 37222* 54910* 72845* 72846* 72849*

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Item

Brucellosis--Cont
sheep--cont
Italy 20418* 28512*
Republic of South Africa 4152
resistance 54941* 63498* 72162*
reviews 12138
transmission 71789*
vaccines 28527*
swine 4246 81321 91854 4255* 91849* 91866*
diagnosis 28715 37413 4288* 20525* 63642* 91917* 91923* 91985*
eradication 12300 62934 72197 81272
Europe 55133
Illinois 28715
immunization 55061* 72985*
reviews 28650*
Thailand 63623
transmission 81271 91850
Yugoslavia 81167*
transmission 71812 62398* 79826*
treatment 53824*
USSR 53942 79865 6956*
vaccines 19845 37275 54414 62473 80340 81017 91734 11612* 11686* 19823* 19922* 28152* 36266* 53965* 54910* 55061* 62386* 71771* 71844* 72172* 72846* 72985* 80466* 80474* 80936* 90595*
wildlife 3594 11245 55133 71812 62398* 91866*

Bruchidae
Algeria 5015*
anatomy and physiology 64357 92389*
as pests 37661
identification 55762*
Israel 92414*
Southeast Asia 55717
taxonomy 92390*
Bruchidius 38100*
Bruchidius atrolineatus 37661 81637
Bruchidius dispar 92390*
Bruchidius hoffmanni 92390*
Bruchidius varius 92390*
Bruchobius laticeps 55879
Bruchophagus 64386*
Bruchophagus gibbus 20727 63933* 73785*
Bruchophagus gibbus group 29619
Bruchophagus kolobovae 29619
Bruchophagus roddi 29619 46469 47117 20757*
Bruchophagus sativae 29618*
Bruchus affinis 64357
Bruchus lentis 5015*
Bruchus pisorum 73216* 81716* 92059* 92111*
Bruchus rufimanus 20733
Brucine 18038*
Brugia 81478 81608
Brugia malayi 20646 37522
Brugia patei 46979
Brumptomyia 38206*
Brunel Sir M I 53541
Brunet L O 49808*
Brunettia 29481 64444
Brunizem soils 89610* 89616*
Brünn Vysoka Skola Zemedelska 73928*
Brunswick Forschungsanstalt für Landwirtschaft 15595*
Brush
burning 10306 18884 44133
California 44127

Item

Brush--Cont
control 43749 52183 34958*
Argentina 17743*
Arizona 52292
California 1547 35268 69529
Canada 43666 43668
chemical 17687 17697 17770 43702 52249 89400 60940*
Connecticut 17756
Illinois 43845
New England States 17783
Oregon 18884
Pennsylvania 43683
Rhodesia and Nyasaland 25890 52189
Senegal 10145*
Southern States 43679
Sweden 79237*
USSR 43801* 89372*
equipment 13263
France 43756*
Louisiana 43813
Oregon 25943
Rhodesia and Nyasaland 20637
Tennessee Basin 17742
Texas 43701
West Virginia 53185
Yugoslavia 44762*
USSR 2777*
SEE ALSO names of brush plants; and SUBHEAD brush control UNDER Forests: Ranges
Brussels sprouts
anatomy and physiology 34040 81732 25155*
breeding 34943*
costs and returns 15095*
culture 43592*
hybrids 34944*
labor 49090
nematodes 33438
pests 81636 81732
physiological diseases 34121
soils 34040
varieties 25809 43635 49090 43592*
yields 33438
Bryaxis 12826 29335* 82218*
Brychomyia SEE Lampria (Brychomyia)
Bryobia arborea 21058 81824
Bryobia eharai 21046
Bryobia microtibialis 82171*
Bryobia praetiosa 64307
control 12611 55543 64045 46592*
outbreaks 46551*
Bryobia praetiosa group 82171*
Bryobia redikorzedi 73295*
Bryobia rubrioculus 63753*
Bryocorinae 64510
Bryonia dioica 9256 760*
Bryophaga tavaresi 64663*
Bryophyllum SEE Kalanchoe
Bryophyta
Arctic Region 24047
Austria 32894*
Brazil 76989*
Canada 207 41338 50106 58750* 76992* 76993*
collecting and preserving 24056
Colorado 41505
Czechoslovakia 24048*
ecology 24503 33548 33532* 33556*
Galapagos Islands 24037
genetics 8830 24722*
Great Britain 8272
Iowa 50107
Michigan 76991

Item

Bryophyta--Cont
Missouri 24050
Netherlands 8267* 67533* 67547*
Poland 32890*
reviews 15826*
Rumania 67551*
Turkey 41501
USSR 202* 67548*
Virginia 24049
Bryum 67546*
Bryum schleicheri 210*
Bubert V V 67203*
Bubulcus SEE Paralimnus (Bubulcus)
Bubulin SEE Dipterex
Bucculatricidae 92577*
Bucculatrix ainsliella 4754
Bucculatrix thurberiella 81728 37672*
Bucharest Universitatea Gradina Botanica 67300* 67309* 67344* 67345* 67366* 67369* 67512* 67568*
Buckets 92952
Bucks 20322 80995 20323* 20329* 27217*
Buckwheat
anatomy and physiology 25108 16857* 25090* 34164* 59999* 60189* 68544* 87503*
biochemistry 25255 43044
cleaning 47441*
culture 9363* 9364* 43081* 88372*
cytology 8719* 42334* 59512*
fertilizers 61442*
genetics 922 59694
germination 24959*
hardiness 60272*
hybrids 51681*
morphology 8719* 59511* 59512* 59617* 59623*
planting 17071*
planting date 88338*
pollination 51271*
seeds 24959*
yields 9364* 17071* 51681* 61442*
Budapest Erdészeti Tudományos Egyesület 89987*
Budapest Erdészeti Tudományos Intézet 10535*
Budapest Mezögazdasági és Élelmiszeripari Tudományos Egyesület 47626*
Budapest Növényvédelmi Kutató Intézet 58825* 58905*
Budding SEE SUBHEAD propagation, by grafting and budding UNDER Plants and names and classes of plants
Buddleia 8758 29646 60760*
Büdel A 86170*
Budgets 40320 57656 57911 75855 76205
Great Britain 22983 22985 22993
USSR 7374* 66387*
SEE ALSO UNDER Families
Buenos Aires (City) Bolsa de Cereales 93690*
Buenos Aires (City) Mercado de Cereales a Termino 6756*
Buffalo meat 84710 6950* 22612* 54399*
Buffaloes
anatomy and physiology 27827 27828
breeding
hybridization 27588*
Italy 80056* 80082* 80083*
Pakistan 45426

Item

Buffaloes--Cont
breeding--cont
research
statistical methods 54478*
seasonal 62547
breeds
Ceylon 91174
Murrah 54494 90892
diseases 3434
estrus 11639 45635
farms and ranches 76161*
feeding and nutrition 90892 71996* 80098*
fertility 45447*
habits and behavior 19901
hybrids 27588*
India 80498
Italy 54478*
lactation 3232 36680 36701* 62896* 72082*
meat production 54399* 72056*
metabolism 36680 54494
milk production 3232 90957 54495* 72267*
Ceylon 91174
effects of breeding 62547 62526*
effects of drugs 3416*
effects of feeding 71990 62635*
effects of milking 62951*
Pakistan 45426
multiple births 62972
parasites 36607*
parturition 62547 45447*
pregnancy 11639 80082 62710* 80083*
reflexes 36701*
respiration 19890
selection 3232
temperature 19890
trade 67098
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Buffalo's milk
analysis and composition 39284*
coagulation 39362*
fat 13751 62951* 72267*
proteins 72082*
quality 30584
USSR 13676*
Buffelgrass SEE Pennisetum ciliare
Bugojno Arboretum 67351*
Building Boards Register 71557
Building materials 5870 38791 38841 74332
Ceylon 30802
Czechoslovakia 64993* 74330*
directories 71557 79499*
France 31117*
Germany 35998* 56312*
Great Britain 5871 11004 38836 38840
India 83266
USSR 27176* 47587*
SEE ALSO kinds of materials
Buildings 94854
associations 13331*
Belgium 32487*
bibliographies 13338
Canada 21690 21698
construction 13341 21697 38786 38787 38791 47523 64976 65022 83223 83225—83227 92954 30029* 74260* 92984*
Denmark 13334* 64981*

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Item

Buildings--Cont
construction--cont
Germany 5829* 30034* 38781* 47526* 47529*
Great Britain 38837 56263 74331 74333
Idaho 30021
mountain areas 47530*
Norway 21694* 30027*
Poland 83221*
Sweden 30025*
Switzerland 21692*
USSR 13339* 13340* 21689* 47525* 47528* 74253* 83222* 83229*
cooperatives 38785
costs 30029*
Germany 64974*
Netherlands 74252*
Norway 64973*
Poland 74256*
Sweden 30028* 56264*
Switzerland 21693* 23325*
credit 7569* 66407*
Czechoslovakia 5828* 56265* 65006* 92963*
Denmark 83228*
designs and specifications 38788 38792 56268 71490 92954 92955 30031* 56266*
bibliographies 74264
Germany 38784* 38790*
Great Britain 74251
Republic of South Africa 30033
USSR 47527*
fireproofing 30024 36020
France 13330* 13336*
Germany 13335* 21691* 30023* 38789* 74263*
East Germany 66369*
Great Britain 30026 92955 13329*
heating 47605*
humidity 47531*
insulation 13332
layouts 13342 30033 75939 56266* 56267* 74255*
legal aspects 85701*
legislation 13344
maintenance and repair 76302 74257*
mountain areas 21695* 74262* 83220*
Mozambique 47566*
Netherlands 74252* 74259*
pest control 12361 37826 55595 64113 73169 73403 81859 82900 64096* 64111*
pests 82329 82330 20891* 64098*
policies and programs 21696* 74261* 83219*
prefabricated 30022 38792 92955 21693* 21704* 30030* 30032* 64975* 64978* 74258* 83221* 92993*
remodeling 49324 38832* 40632*
Republic of South Africa 83231
sanitation 38832* 46411*
Scandinavia 38782
Scotland 13345 47571
shows 74254*
situation and outlook 64979 64980 67144
study and teaching 74262*
Sweden 47565*
Switzerland 92956*
USSR 64972*
ventilation 47524* 64977*
waterproofing 83230*

Item

Buildings--Cont
SEE ALSO kinds of buildings; and SUBHEADS buildings, housing, structures UNDER specific subjects
Bulbiformin 70393
Bulbinella 77564
Bulbobacchisa SEE Bacchisa (Bulbobacchisa)
Bulbs
breeding 60741*
care and handling 94112*
culture 17496 69835 89003 1807*
Canada 34851 78132 89064 89100
Germany 17527* 60790*
Great Britain 9709 25714
Iceland 17425*
India 78110
Italy 9708* 88992*
Netherlands 9749* 42073* 78114*
Norway 1774*
Pacific Northwest 17424
Scotland 25751
USSR 89036*
directories 31625
forcing 17443 89100 1807*
Great Britain 17547
hardiness 34794
harvesting 13254*
industry 40221
pests 92199 81827*
situation and outlook 40220*
storage 25078 16569* 16643* 41705*
treatment 33286 58829 59218 33084* 59002*
varieties 1788 34794 89035
weed control 34976
Bulgarska Akademiya na Naukite 58461
Tsentralen Nauchno-Izsledovatelski Institut za Zashtita na Rasteniyata 41647
Tsentralen Veterinaren Institut za Zarazni i Parazitni Bolesti 45250*
Bulgur 22538 75271
Bulldozers 26958 38710*
Bulls
abnormalities 36423 71913 80003 54108* 62921* 80033*
anatomy and physiology 3233 3234 27586 36422 45399 45415 54113 80001 80045 90826 3276* 11569* 27217* 27569* 36396* 36448* 36592* 36650* 80063* 90830* 90857* 90868* 91083*
reviews 54317
and heredity 3250 3262 3265 3291 3530 11415 11457 19649 19651 36382 45420 45448 54094 62541 62610 71942 79997 80002 90871 11401* 11414* 11426* 27512* 27537* 27558* 27575* 36395* 36462* 36650* 45436* 45458* 62580* 62583* 62615* 62634* 80078* 80089* 90819* 90824* 90867*
care 19644 45414 80052 80096 90881 36383* 62562* 71894* 71936* 80038* 80322* 94231*
Denmark 71961*

Item

Bulls--Cont
diseases 3293 3453 19653 19873 27542 27567 27878 54113 62603 62632 71892 90882 11574* 19657* 19793* 19843* 27587* 36543* 45425* 45571* 45699* 54303* 55273* 62723* 62789* 71931* 80231* 80348* 80463* 90984*
control 36441 80031
diagnosis 27563*
Poland 27739*
prevention 54087
reviews 27703
transmission 54326*
treatment 19864 45577* 80281*
feeding and nutrition 45415 90855 3347* 45425* 45435* 62618*
costs 11425*
Germany 3395* 45407* 71973*
East Germany 19656*
pasture and range 27540*
Rumania 36436*
USSR 71952*
Yugoslavia 27585* 71902* 80016*
fertility 3233 3234 3239 3264 19636 19654 27586 36380 36459 45448 54113 71890 71913 79812 79995 80034 80052 90842 90859 90880 3026* 19639* 19657* 27508* 27538* 27572* 27577* 36389* 36425* 36426* 36436* 36437* 36543* 45403* 45404* 45425* 54110* 54125* 54127* 62584* 62618* 62620* 71888* 71892* 71926* 80006* 80043* 80047* 80054* 90827* 90834* 90835* 90844* 90863* 90864*
fighting 62558 3600* 80478*
growth 19896* 71939* 71952*
habits and behavior 19636 62571 62591 80001 90855 3281* 11413* 62586* 71936* 90835*
India 80042
infectious diseases 27577*
injuries 19826 45409 80096 3501* 27549* 36449*
Italy 45430*
marketing 14360 39948 22592*
pedigrees 36435
Poland 62576*
purchasing 19676 80038*
records and testing 3291 3306 11455 11457 19651 19682—19684 36445 80002 80095 80722 45404*
Africa 3261*
Arkansas 62541 80487
Australia 71949 90822
Canada 27571
Denmark 36397*
Germany 11398*
East Germany 27544*
Great Britain 3262 3263 27513 27579 80010 80032 80053 90813 45444*
Hungary 71921*
Italy 11418* 11439*
New Zealand 3288

Item

Bulls--Cont
records and testing--cont
Poland 62587* 62611* 71940* 90847*
Sweden 36425* 45436* 79992*
Switzerland 71894* 45401
Texas 62590*
Tropics
selection 3258 11415 11441 19628 19644 19676 36443 54094 62610 80091 90831 11407* 36413* 36428* 36462* 54093* 90819* 90844*
research
statistical methods 36471
trade 71926* 71940*
weight and measurement 14360 45399 71973*
Bulnesia retamo 25193*
Bumblebees SEE Bombus
Buna SEE Fagus sieboldi
Bunbury Sir T C 8050
Bunch rot
grapes 88060
Bunchy top
bananas 12534 24420 87082*
Bund für Lebensmittelrecht und Lebensmittelkunde 30123*
Bundeslehranstalt Burg Warberg 56385*
Bunium bulbocastanum 32728*
Bunostomiasis SEE Hookworms
Bunt SEE Smut
Bupalus piniarius 29724 5515* 20917* 73398*
Buphthalmum speciosum 25188
Bupleurum 67465
Buprestidae 73634
anatomy and physiology 55722
Arizona 64348
as pests 29370 37796*
Australia 46875* 46879*
Belgium 64392*
Brazil 64350*
dissemination 55722
Great Britain 12844
habits and behavior 82329
Laos 29332*
larvae 82330
Oceania 46879*
Southeast Asia 55717
Sweden 92400*
taxonomy 64348 46876* 46877* 46878* 46880* 46881* 46882* 55745* 64350*
Buprestis aurulenta 12844 82329 82330
Burchellia 82845*
Burckhardt H W C 15572*
Burgwerben Zentralstelle für Trocknung Landwirtschaftlicher Erzeugnisse 83147*
Burlap 93485
Burley and Dark Leaf Tobacco Export Association 58285
Burlington Consumers Cooperative 32266
Burma Ministry of Agriculture and Forests 76655
Burma Ministry of Land Nationalization 76655
Burman N L 68
Burmanochorea SEE Hendelia (Burmanochorea)
Burmargiolestes 21495
Burmese lacquertree SEE Melanorrhoea usitata
Burn R S 40571

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Item

Burned areas 10306 18239 44122 78541*
Brazil 70479*
California 8690 34480 50646
Canada 46467
Finland 68123*
Great Britain 33571
Maine 2736
New Zealand 35216
Nigeria 18328
Republic of South Africa 2243 2245
Uganda 8653 79389
Burnet SEE Sanguisorba
Burretiodendron 32793
Burri J 32562*
Bursa cloacae 12005 20256 20275 37079 45977 72680 80799 91531 45975*
Burseraceae 50018 58634
Bursinia 38315
Bursitis 3775 91325*
Burton P J 55937
Buryatskii Sel'skokhozyaistvennyi Institut 58465*
Busarbina n g 64554
Bush redpeppers
abnormalities 87348
anatomy and physiology 60180 87134 87327 16859* 68343*
biochemistry 51452*
breeding 43639*
culture 17620
fertilizers 35299 60180
fungus diseases 8533
genetics 16421
hybrids 60924
nematodes 87134
propagation 60924
varieties 25853*
Business cycles SEE Economic cycles
2,3-Butanedione 56644 30651* 83933*
Butanol 48794 14603* 84995* 91799* 91800*
Butarin N S 15540*
Butchering SEE Slaughtering
Butea frondosa SEE Butea monosperma
Butea monosperma 2910 55573 76968
Buthus occitanus 4907* 81459*
Butonate 4736
Butoxy thiocyanodiethyl ether 30503
Butt rot
Coniferae 33193
Butter 30450* 65375*
adulteration 30590*
advertising 56677* 65436* 83851*
analysis and composition 13729 22026 30517 65403 74694 74701 74727 83794 93297 93325 6198* 6223* 13732* 13755* 30511* 39292* 47925* 47929* 56641* 56650* 56670* 74729* 74740* 83764* 83767* 83777* 93300*
bacteria 47986* 56646* 74725* 83766* 93300*
chemistry 13729
color 56705 74752 31291* 39332*
coloring 13846*
consumer preferences 14456
consumption 74764 30621* 39299*
containers 30618 13825*
contamination 65403 93297 93356*

Item

Butter--Cont
cream for 93369 30592* 30654* 56760* 62980* 72066* 74864* 83862* 93356* 93427*
defects 30517 39331* 47929* 47986* 47987* 56700* 74807* 74808*
enzymes 6226
feed 80151
flavor and odor 30517 83915 30651* 39364* 47986* 47987* 56700* 74807* 74808*
grading and standardization 56705 83758*
Brazil 13810*
Denmark 13792*
Germany 13817* 30589* 30603*
Great Britain 65465
Switzerland 83940* 83941*
history 39240*
homogenized 74817*
keeping quality 56656 93369 6368* 30592* 30594* 74817*
labeling 48020*
manufacture 30633 56656 65527 93420 6368* 13837* 30626* 30651* 39398* 56752* 56776* 83887*
Belgium 13732*
Brazil 13810*
costs 30648
Denmark 6357* 6340*
equipment 30654* 56727* 83896* 83900* 83928* 83934* 93356*
Germany 30654* 30656* 39361* 56779* 74860* 83931*
Northern Ireland 83880
Sweden 13789*
Switzerland 83940* 83941*
USSR 56768* 56810* 83920* 93422*
marketing 14456 56683
Australia 30561
Germany 65439*
Great Britain 65465
Italy 13783*
Netherlands 39314*
Norway 65459 39319*
regulation 83851*
statistics 83821* 83822*
moisture 30531* 56776* 65391* 74817*
determination 47946* 56666*
nutritive value 15481* 39292* 41075* 76641*
oxidation 31291* 39382*
packed 65398*
Germany 13817* 13828* 30603*
keeping quality 30600* 74833*
weight and measurement 83859*
packing 93420 30613* 30614* 30616* 48018* 48020* 56727* 65488*
policies and programs 13700*
prices 65493 83877 13783* 30621* 65439*
properties 65397* 65398* 65412* 83764* 83789*
purchase and sale programs 23610
quality 93369 6368* 45496* 65488* 72066*
Bulgaria 93356*
Canada 39332*
Denmark 13799*
Germany 48010*

Item

Butter--Cont
quality--cont
Sweden 13789*
USSR 19733*
Yugoslavia 74725*
refrigerated 83915 30511* 47925*
regulation and inspection 22062 30590* 48020* 93421*
situation and outlook 30490* 74679* 74794*
solids-not-fat 83758*
spoilage 6312
starters 30651* 30681* 39331* 39364* 56646* 56700* 74807* 74808* 83933*
statistics 30688
storage 93420 13755* 74833* 83766* 93421*
Sweden 65412*
tests 13725* 65398*
trade 32371*
Germany 86034*
Great Britain 15393 23610
Poland 85976*
quotas 58260
vitamins 74752
weight and measurement 13795 22062
Butter oil 13749 30463 30509 56639
SEE ALSO Ghee
Butterfat SEE Milk, fat
Butterflies
Afghanistan 55990
Africa 82792
anatomy and physiology 13011 29733 38510 92586 92606 55927* 82658* 82663*
as pests 20880
as predators 29727
Canada 47149 64675
Canary Islands 55921
collecting and preserving 29735 92587 47135* 92610*
France 82681 64584*
Great Britain 5350 38523
Japan 5457
New Mexico 29656
Trinidad and Tobago 73824
collections 55937
cytology 5484 82742*
Denmark 29680*
dissemination 47174*
ecology 5493
eggs 29652 38439 82772
Estonia 21430* 21437*
Europe 38470
Finland 47168* 47180*
food and host plants 5525 38512 38524
France 82691*
genetics 38447 73808
geographic distribution 64650 73846 82728 73803*
Germany 92595* 92626*
Great Britain 5369 5370 5371 5408 5476 12993 21372 29649 38443 64575 64581 64591 64592 64597 64617 64650 73807 82719
habits and behavior 5386 5525 21012 38439 38496 5539* 47180* 64655* 64658* 82686*
hybridization 73797
illustrations 13016 92587
India 29647 47139 73847
Iowa 64662

Item

Butterflies--Cont
Japan 5457 82722 73837*
Malaya 13016
Maryland 64678
Mediterranean islands 73803*
Mexico 73846
migration 82686*
Argentina 38465
California 64658*
Finland 47176*
Florida 38496
India 5504 73848
Kenya 73823
Palearctic Region 47190*
Nearctic Region 5396 82695
Neotropical Region 82690
Nepal 38490*
New York 5399
New Zealand 82710
nomenclature 82695
North America 5484 55925 92587 82806*
nutrition 92587 47180*
parasites 64580 81682*
Peru 55954
populations 38440 64617
Portugal 21373*
predators 55925 64406 5539*
pupae 21354 82772 47162* 81682* 92593*
rearing and breeding 38512 73797 73808
Rhodesia and Nyasaland 55948
Spain 82658*
Sweden 92601*
taxonomy 38470 55956 73846
terminology 55931 55971
Texas 29652 55964 64652 82707
Trinidad 21354
Uganda 21012 82793
Venezuela 92599*
Western Hemisphere 5380 29653 55933 73809
Western States 73846
Yugoslavia 92618*
Buttermilk
analysis and composition 6237*
fat 56776*
feed 12204 45533*
manufacture 6374* 6375* 30660*
starters 6344
Butyl acetate 36125*
Butyl alcohol 47775*
n-Butyl chloride 28061
4-tert-Butyl-2-chlorophenyl methyl methyl-phosphoramidate SEE Ruelene
Butyl cinnamate 91502*
1-Butyl-3-p-tolylsulfonyl urea 80792
2-sec-Butyl-4,6-dinitrophenol SEE Dinitrobutylphenol
Butylamine 84330
Butylated hydroxyanisole 47665 13752*
Butylated hydroxytoluene 47665
Butyltin compounds 4629*
Butyrates 3428
Butyric acid
bacteria 6224* 13763* 26647* 30527* 30528* 35187* 56808* 70332*
reviews 39374*
fungicides 16045
herbicides 17813
in butter 22026
in cattle physiology 11525 72206*

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Item

Butyric acid--Cont
in cheese 6359* 39367* 83801*
in soils 51368
Butyrivibrio fibrisolvens 3460
Butyrometer 47949* 56658* 56663* 84625*
Butyrospermum 32774
Butyrospermum parki 76845* 41354*
Buxaceae 42125*
Buxbaumia aphylla 69874 4713* 41317* 42168*
Buxus 8458 33535*
Buxus sempervirens 81869
Buzura edwardsi 81869
Buzura pteronyma 15533
Buzzard C N 82271
Byrrhus 50655
Byrsocarpus coccineus 92317*
Byrsochernes n g 87245*
Byrsonima coccolobifolia 38128*
Bythinopsidius n g 21124
Bythinopsis 23967*
Byttneria

Cabbage
abnormalities 42215*
analysis and composition 24947* 39645* 42816* 48324* 62704*
anatomy and physiology 9142 34024 42816 50927 77571 87846 87864 1073* 24774* 24947* 33919* 68546* 68906* 68970*
bacterial diseases 86991 41946*
breeding 60891* 68423* 69970* 89236*
Bulgaria 89187*
canned 75193*
contamination 48324* 48414*
culture
Denmark 17574*
Florida 60886
France 60898*
Germany 77958*
East Germany 77952*
Great Britain 9822
Italy 88677*
Mississippi 52143
Netherlands 43624* 52117*
Norway 52119*
USSR 10337* 52138* 57029* 60920* 60921* 69907* 69935* 88696* 89210*
discoloration 30987
disease resistance 25866* 50425* 89236*
diseases 8395*
equipment 56119*
feed 71683 71631*
fermented 39766
fertilizers 2287 2284* 2286*
Bulgaria 89834*
Czechoslovakia 26356*
Great Britain 44191
Rumania 52698*
Texas 10209 78615
USSR 26201* 26211* 70532* 70659*
forage plant 43309* 77952* 77958* 79677* 88677* 88696*
fungus diseases 86847
Brazil 77108*
control 25866* 67857* 67934*
Netherlands 41733* 41734* 50425*
USSR 33257* 50354*

Item

Cabbage--Cont
genetics 77438*
germination 16522*
harvesting 13241*
hybrids 25813* 77438*
Ireland 39595
irrigation 89834*
keeping quality 57029*
morphology 68286 87846
pest control 12504 46340
biological 37671 29016* 92140*
Bulgaria 92075*
Canada 55433
Germany
East Germany 8395*
Great Britain 81718
Hungary 46490*
Netherlands 55468
New Zealand 29001
Norway 92106*
Poland 81734*
USSR 29024* 63885* 73200* 81692* 81721* 92140*
pests 46925 5251* 92575*
Canada 82713
Japan 38480* 81733* 82720*
Netherlands 46450
Poland 12527*
physiological diseases 16764
planting 43309* 60920* 89195*
processing 30987
propagation 25813* 42215*
seeds 87864 33919* 34165* 41734* 42746* 52117* 68906* 89195*
soils 1073*
storage 14181 48457 6718* 22425*
varieties
Bulgaria 24947* 89187*
Denmark 17574*
France 60898*
Netherlands 43624* 60891* 69970*
Poland 89220*
Rumania 52076* 52141*
USSR 89210*
yields 2287 1073* 2284* 2286* 43309*
USSR 10337* 26201* 26211* 70532*
Cabbage aphid SEE Brevicoryne brassicae
Cabbage looper SEE Trichoplusia ni
Cabbage maggot SEE Hylemya brassicae
Cabera leptographa 13042*
Cables SEE Logs, hauling, by cable
Cacalia 770*
Cacao 30675 17842*
analysis and composition 30437 93250 83685*
anatomy and physiology 8393 8421 9064 9108 16360 87792 9059* 9082* 9193* 33823* 42501* 60263* 77552* 77634* 87964*
bibliographies 13651*
breeding 9944 9969 78239 89424 9934*
conferences and congresses 9950
contamination 29132*
Costa Rica 25976
culture 1980 78249
Colombia 17831*
French Guiana 9938*
Ghana 52734 89417
Guadeloupe 13612*
Martinique 9937*
Netherlands New Guinea 9941

Item

Cacao--Cont
culture--cont
Trinidad 9955 78256*
West Africa 9974
disease resistance 8536 8437* 8574* 9934* 9935*
diseases 8347 8358 8359 8386 8393 8319*
control 86658
Costa Rica 12588
Ghana 41599 86658 86961
reviews 8346
drying 56586 47866*
fermentation 6144 13635 83692 47866* 65298* 83608*
fertilizers 9951 9955 10212 61016 78553 9059* 77608*
fungus diseases 505 8595 24353 41803 77172*
control 8421 8463 67831 24202*
Costa Rica 58923*
Ghana 41743 41753 86755 86952 86961
Trinidad 8466
genetics 8833*
Ghana 85530 93248
Guadeloupe 13612*
history 93210 89413*
hybrids 78239 78254 9935*
industry
Cameroun 75081*
Colombia 13650*
Guatemala 30361
Jamaica 30439
Malagasy Republic 74585*
Spanish Guinea 83602* 83603*
Trinidad and Tobago 30429*
injuries 24202*
marketing 74597 74635
Martinique 9937* 13634*
molds 13662*
nutritional deficiencies 77608 9060* 42708*
pest control 37744 46575
pests
Costa Rica 12588 29080 63989 81797*
Ghana 81753 81767 86952
Malagasy Republic 12929* 21291*
Mexico 29068*
Nigeria 8595
Papua and New Guinea 12592 46575
Spanish Guinea 81796*
West Africa 12545
physiological diseases 9085
planting 9949 32113 43855 9945*
pollination 51059 87995 8574* 9004* 12328* 73668*
prices 74635
processing 13629 6138* 13662*
propagation 8386 17834 43860 78248 89425 9945* 21719*
pruning 9947 9962* Puerto Rico 25974
quality 13648 30391
seeds 8463 9969 9005*
shading 43855 61016 25980* 70134* 77552*
situation and outlook 13666
soils 9994 52734 78553 9082* 33823* 87964* 89599*
statistics 93216*
storage 29132*

Item

Cacao--Cont
study and teaching 9932
subsidies 14949
varieties 43867* 77634*
virus diseases 8595 29080 50473 87011
weed control 70061*
yields 9951 9959 9969 37744 9935*
SEE ALSO Chocolate; Cocoa
Cache National Forest 44588
Cachexia
citron 77254*
limes 59125
Cacoecia murinana SEE Archips murinanus
Cacoecia pronubana SEE Archips pronubanus
Cacoecia xylosteana SEE Archips xylosteanus
Cactaceae 89* 89041*
abnormalities 42257 68047*
anatomy and physiology 50654 87366 60151* 69094*
biochemistry 1381
Bolivia 96
Chile 132*
culture 1817 34798 88987 1779*
Europe 1792
France 89079*
Great Britain 34763 34805 34832 43465
Rumania 69094*
Spain 25686*
Ecuador 67430
feed 79664
France 86420*
Galapagos Islands 67430
history 34805
illustrations 34718
Malagasy Republic 15773*
morphology 50661
pest control 92168*
propagation 43522 60151* 69830* 89098*
seeds 1795 34832 43465
soils 70271*
taxonomy 171 67408
varieties 34708 34713 34753
virus diseases 16139* 68047*
Cadang-cadang disease SEE Kadang-kadang
Cadaverine SEE 1,5-Pentanediamine
Caddisflies SEE Trichoptera
Cadelle SEE Tenebroides mauritanicus
Cadillo 22186*
alpha-Cadinol 53674
Cadmium 28234* 72666* 72667*
Cadmium chloride 72594*
Cadmium hydroxide 53706 36041*
Cadoxen SEE Cadmium hydroxide
Cadra cautella SEE Ephestia cautella
Cadra parasitella 5546
Cadra woodiella 5546
Caeculidae 12772 82144*
Caedicia olivacea 12581
Caedicia simplex 12581
Caedicia strenua 12581
Caediscum n g 92376
Caediscum imperiale 92376
Caelostomus 82247
Caenacis 38376
Caenis lychnidensis 47240*
Caenis strugaensis 47240*
Caenis undosa 21490*
Caenocrepis 47073
Caenolanguria 21155* 82342*
Caesalpinia 58781*
Caesalpinia bonducella SEE Caesalpinia crista

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Item

Caesalpinia crista 43005 43006
Caesium SEE Cesium
Caesulia 50780
Cafestol 56545*
Caffeic acid 9194 51377 85117 60298*
Caffeine 74638
in cacao 30437
in coffee 6143 21955 30437 34247 69164 74607 78264*
in tea 30437 16960*
synthetic 30437
Caffrocrambus n g 5351
Cage layer fatigue SEE Fatigue, poultry
Cages
for animals 7174 13361 38814 64982 80865 92981 80596* 92967*
for insects 4356 28739 29250 55156 55221 55719 63699 64586 64612 73440 73730 82086 82420 82496 82661
Cailliea glomerata 60316*
Caja de Credito Agrar'o Industrial y Minero (Colombia) 14697* 23000*
Cajanus cajan SEE Pigeonpeas
Calabash gourd 25834*
Calabashtree SEE Crescentia
Caladium 25765 59220
Calamagrostis 15771* 79347*
Calamagrostis canadensis 88587
Calamagrostis lapponica 58684*
Calamagrostis neglecta 59279
Calamoncosis 92460*
Calamotettix 38289*
Calamotropha 92574
Calamus 9140
Calandra SEE Sitophilus
Calanthe veitchi 16870
Calaphidius n g 92557*
Calathus 46841*
Calathus melanocephalus 46903
Calavo Growers of California 14081
Calcareous soils 16651 17933 18017 33540 50979 52487 70344 42522* 61139*
Australia 88529
bibliographies 2078
Bulgaria 68200*
France 43284* 52543* 61116* 61356* 79315*
Germany 18192*
Great Britain 79359
Hungary 52790 44139* 70477*
Italy 10652*
Japan 713*
Kansas 42129
Mediterranean area 26142*
Okinawa 78583
Spain 17972* 52601* 52651*
USSR 18337* 51883* 52534* 70253* 70654*
Yugoslavia 26034*
Calcaritermes 82883
Calceolaria 17497 9779*
Calcification 20014 63027 4238* 54618* 53837*
Calcino SEE Muscardine
Calcitrena n g 38529
Calcium
determination 1385 22329 30128 30146 44513 51485 83649 31587*
effects on plants 1061 1156 9093 24712 24794 30859 33902 34056 34182 34238 42630 42665 51277 51299 59866 59956

Item

Calcium--Cont
effects on plants--cont 68831 68909 69134 78457 87887 16786* 24997* 33827* 33983* 42594* 42658* 51014* 51162* 59919* 87726* 87872* 88589*
bibliographies 996 42535
fertilizers 35157 44513 79004 9029* 10195* 10196* 52838* 70403*
apples 78609*
bush redpeppers 60180
corn 52501
field crops 78625
legumes 18372
pineapples 35361
soybeans 52501
sugar beets 70552*
in animal nutrition 53785* 53794*
bibliographies 11185*
in animal physiology 11325* 53925*
in blood 37252 54347 62802 72111 72572 72656 80314 11550* 27846* 27865* 45298* 54616* 62754* 62815* 62838*
in bread 49739*
in buffalo physiology 36680
in cattle nutrition 72074 72075 80190 11517* 45515* 54157* 91129*
in cattle physiology 27777 45611 72246 80445 19822* 19945* 27735* 27846* 62762* 71994* 72171*
in feed 6429 45206*
in fibers 48226
in fruit processing 93622
in goat physiology 4151 37279 28500* 91528*
in grain 48523*
in human nutrition 23671 23672 53794* 83751*
in insect physiology 92426
in meat 37349*
in milk 62574 15476* 15482* 74720* 80481* 86094* 93399*
in plant nutrition 35838 10725*
in plants 878 8856 8985 15629 16644 24337 24794 24832 30128 30146 51037 51485 60186 77762 1072* 9029* 9045* 35140* 35169* 42708* 50978* 59886* 68567* 68977* 87870* 88025* 90542*
bibliographies 998
in poultry nutrition 3850 3854 3855 3862 3872 3882 11892 11895 11896 11900 11916 20147 20155 37002 37102 54715 54726 63249 63252 72492 72514 72515 72517 72539 72575 72619 80744 80761 91385 91410 91411 91451 72579*
in poultry physiology 3938 11964 11984 20222 28227 46006 63337 63341 72604 72646 80838 20215* 28500* 91528*
in pulp and paper manufacture 36052*
in rabbit physiology 80940

Item

Calcium--Cont
in rat physiology 54678*
in sheep nutrition 4080 4210 54897 72811*
in sheep physiology 12090 37277 54947
in soils 2103 9009 16709 43947 52555 52564 61167 70285 1190* 2097* 2295* 10043* 16786* 26083* 35140* 43934* 43959* 52494* 61160* 61178* 61179* 78325* 78377* 78393* 89519*
Australia 670
Florida 59866
Japan 16742* 69150*
Latvia 35169*
Puerto Rico 35160
USSR 78399
in swine nutrition 4197 4210 28605 37314 37317 37342 63599 72954 12202* 81211*
in swine physiology 4197 12274* 28639* 28643* 37349* 55088* 73017* 81211*
in tea 77749
in tobacco 42528*
in turkey nutrition 11917 45940 54726 72514 72573 91398
in vegetables 22329
in wine 83649
Calcium alginate 6504
Calcium ammonium nitrate 26214 70610 70608*
Calcium arsenate 37509 81630
Calcium bentonite 17965*
Calcium carbonate
fertilizers 35282 70264
in animal nutrition 19758 53830
in soils 2089 61181 26089* 43985* 78396*
Calcium caseinate SEE Casein
Calcium chlorate 9426* 9429*
Calcium chloride 84012 9426* 9429*
effects on plants 33951
effects on seeds 69038* 69039*
in cheese manufacture 39362*
in sheep physiology 81106
in sugar manufacture 7243
Calcium compounds 504* 25151*
Calcium cyanamide
effects on plants 60199 16500* 25085* 59883*
fertilizers 61127* 70887*
fungicides 24366*
herbicides 17796
insecticides 91985*
nematocides 53964*
Calcium cyanide 81984
Calcium disodium (ethylenedinitrilo) tetraacetate SEE Edathamil calcium disodium
Calcium gluconate 91421 54123* 91310*
Calcium hydroxide 70252 85065*
Calcium hypochlorite 2954* 2956*
Calcium lactate 45893
Calcium magnesium silicate 53070
Calcium metaphosphates 26637 70883*
Calcium nitrate
effects on plants 51298 42907*
fertilizers
apples 1095

Item

Calcium nitrate--Cont
fertilizers--cont
grain 70608*
oats 70549
root crops 52765*
strawberries 52867*
wheat 44176* 44177*
Calcium oxalate 20458* 45136* 51575* 68363*
Calcium oxide 40199 77735*
Calcium phosphates 56352 83365
fertilizers 2512 18360 70629 79032*
in hides and skins 31298
in rat physiology 54678*
in soils 44031 52487 2073* 78330*
in vaccines 55128*
Calcium polysulfide 50413*
Calcium propionate 45298*
Calcium salts 22436* 49650* 93566*
Calcium sulfate 89525*
Calculating machines SEE Data processing equipment
Calculi SEE Urinary calculi
Calcutta Botanic Garden 86368
Calcutta Tea Traders Association 30353
Calendra callosa 20720
Calendula 58965 68213 32724*
Calendula officinalis 16965 42960* 89082*
Calepina irregularis 78226
California Avocado Society 43380
California Beet Growers Association 77986
California black oak SEE Quercus kelloggii
California Canning Peach Association 48357
California Dept of Agriculture 23713 41090
California Dept of Natural Resources
Div of Forestry 10711 18677 53314 70966
California Fruit Exchange 57006 57008 75131
California mastitis test 62772 39263* 45616* 62739* 72179*
California State Chamber of Commerce
Statewide Weed Control Committee 17711
California University 77997 85716
Caligo insulanus 73824
Calimeris 67341*
Caliothrips oneillae 92654
Caliroa 64554
Caliroa cerasi 37717
Calitys 82271
Callantra 46973
Callichromini 92382*
Callicorixa 29561
Callicorixa (Archicallicorixa) n sgen 29561
Callicorixa (Pseudocallicorixa) n sgen 29561
Callicostella 8268
Callida 5042
Calliergon megalophyllum 32888*
Calligonum 29268* 41386*
Calligonum comosum 67454
Calligypona 38290 38289* 38291* 46994* 47022*
Calligypona marginata 63906
Calligypona obscurella 29535
Calligypona pellucida 46513 20786* 29523* 56015* 73740*
Calligypona sordidula 29556
Callimelissodes SEE Melissodes (Callimelissodes)

*Text of this reference is not in English.

Item

Callimorpha quadripunctaria lutescens 82763*
Callinomes 73635*
Callipareius 82246*
Calliphora 29478 29480 38211 92467*
Calliphora erythrocephala SEE Calliphora vicina
Calliphora vicina 5086
  anatomy and physiology 5157 29430 82398 82431 5177* 12878* 21223* 29412* 73676* 82355* 82427* 92473*
  cytology 5124* 38199*
  diseases 92473*
  eggs 29455*
  genetics 55798
  habits and behavior 73673*
  pupae 82823*
  rearing and breeding 82431
Calliphora vomitoria 5086 21185 64039*
Calliphoridae 92440
  anatomy and physiology 64414 82388
  as pests 20689
  Chile 64432*
  cytology 5068
  Great Britain 5059 5162
  habits and behavior 5086
Callipterinae 29565
Callisthenes 64351*
Callisthenes breviusculus 82347*
Callithamnion roseum 16340
Callitriche 8246*
Callitriche antarctica 24017*
Callitriche obtusangula 77451*
Callitriche stagnalis 77451*
Callitris glauca SEE Callitris robusta
Callitris robusta 11115
Callitroga hominivorax SEE Cochliomyia hominivorax
Callitropsis araucarioides 53674
Callochile SEE Megachile (Callochile)
Callomegachile SEE Chalicodoma (Callomegachile)
Callomyia 21205 21206
Callopistria juventina 5410
Callose 25210* 90248*
Callosobruchus 55879
Callosobruchus chinensis 12898 4629*
Callosobruchus maculatus 37661 81637
Callostethus n g 5258
Calluna 33526 34519 69842 88190 70926* 79336*
Calluna vulgaris 33461 50587 12920*
Calluniphilus n g 47076*
Callus 25678*
Callyntrura 56047
Calobata commutata 5058
Calobates n g 29283
Calocalpe 38490*
Calocasia coryli melanotica 92615*
Calocoris princeps 47016*
Calocoris quadripunctatus fasciatus 47054
Calodexia 46955
Calodromini 64368* 82246*
Calometopon SEE Allometopon (Calometopon)
Calomicrus 12833
Calomycterus setarius 4354
Calonectria graminicola 33165 50355
Calonectria rigidiuscula 8595 41753 86755
Calonectria saubinetti 86890
Calophaca 15718*
Calophasia lunula 5387
Calophyllum retusum 11105

Item

Calopogonium mucunoides 87365
Caloptenopsis 21461*
Calopterygidae 82878
Calopteryx maculatum 82878
Calopteryx splendens 13072*
Calories SEE UNDER Human nutrition
Calorimetry 79674*
Calosoma 64351* 81432* 92394*
Calosoma chinensis 12836*
Calostemma luteum 67467
Calotermes SEE Kalotermes
Calothrix 219
Calotrachytes sclerophyllus 4967
Calpe 13035*
Caltha 23935*
Calvatia 51336
Calvatia gigantea 33016
Calvert P P 67225
Calves and heifers
  abnormalities 3506 19623 19856 27719 27791 27901 45461 62790 72089 72094 91058 3586* 3599* 19834* 27505* 27716* 27834* 27848* 36694* 36724* 45568* 45585* 45696* 54322* 62863* 80272* 80378* 80510* 91022*
  anatomy and physiology 3435 3477 11581 19905 27802 27816 36551 36552 36579 36608 36634 36682 36683 36745 45486 45551 45629 45698 45703 54247 62701 62742 62913 72124 72150 72252 80190 80212 90862 3324* 3424* 11551* 11611* 11634* 19938* 19944* 27615* 27673* 27689* 27754* 27769* 27779* 36587* 36592* 36624* 36627* 36687* 36717* 45657* 45678* 54249* 54309* 54336* 54390* 54407* 62748* 62785* 71998* 72119* 72120* 72129* 72132* 72151* 72192* 90911* 90989* 90991* 91140*
  Belgium 84556*
  Brazil 3610*
  care 3614 11732 19950 19955 62985 81547 91169 27769* 36670* 54273* 54434* 62681* 71984* 72209* 74303* 91145* 91156*
    Australia 3606 54482
    Corn Belt 3284
    Czechoslovakia 80325* 85649* 91160* 92971*
    France 63544* 72274*
    Germany 36758* 45542* 62991* 80202*
      East Germany 80157* 91159*
    Great Britain 3402 19976
    Hungary 74272*
    Indiana 11724
    Italy 11716*
    Mississippi 27910
    Netherlands 19947*
    Northern Ireland 71946
    Norway 3628*
    Republic of South Africa 80516
    Tennessee 62968
    USSR 19622* 19970* 54496* 80483* 90860* 91146*

Item

Calves and heifers--Cont
  costs and returns 15096 36758*
    Australia 94530
    Czechoslovakia 85649*
    Germany 40666*
    Great Britain 15085 23340 85659
    Hungary 40561*
    Italy 7672* 15098*
    Ohio 7675
    Virginia 58020
  deficiency diseases 12153 45605 3515* 27730* 45630* 62834* 62847* 72222* 72249*
  degenerative diseases 36648*
  disease resistance 3589 27632 27641 36710 19802* 27743* 36691* 62840* 72095* 72162*
  diseases 11618 11626 36668 72189 72225 80215 80260 91016 19821* 27689* 27795* 27890* 36615* 45618* 54322* 54434* 80236* 80248* 80297* 80306* 80353* 90991*
    causes 36670* 80361*
    control 36602*
    Germany 72209*
    Poland 80472*
    prevention 80292 27837* 91002*
    treatment 3432 11613* 54254* 54391* 62949* 72153* 80267* 91049*
    Yugoslavia 80393*
  feeding and nutrition 3349 3350 3380 3405 3406 3587 11478 11536 12153 19691 19761 19976 27596 27601 27632 27641 27645 27658 27679 36519 36525 45471 45510 45536 45537 45551 54177 54178 54214 54216 54229 54231 62666 62667 62668 62687 62701 72061 72067 72074 72075 72094 80101 80129 80151 80184 80190 80203 90941 90942 90950 3324* 3339* 11458* 11503* 11519* 19708* 19748* 19768* 27615* 27618* 27642* 27657* 36495* 36507* 36520* 36787* 54434* 62681* 62709* 71975* 71981* 71993* 71994* 71995* 71998* 72000* 72049* 80177* 90895* 90897* 90898* 90911* 90933* 91145*
    Argentina 90906*
    Australia 3399 94530
    Austria 80133*
    Belgium 11484*
    Brazil 80167*
    Bulgaria 54168* 54218* 90932*
    Chile 11527* 45472*
    conferences and congresses 90901*
    cooperatives 27662*
    costs 62684 3360* 11484* 27597* 27662* 45534* 54161* 90899* 94496*
    Czechoslovakia 36510* 36523* 45498* 90916* 91160*
    deficiencies 27609 45486 54198 80108 80109 80163 19844*

Item

Calves and heifers--Cont
  feeding and nutrition--cont
    Denmark 62672*
    equipment 74011*
    feedlot 3439 54143 36521*
      Belgium 64987*
      Bulgaria 36499*
      Florida 11476
      Italy 62690* 62691*
      Maine 54149
      USSR 72025* 80178*
    Georgia 45504
    Germany 11520* 45479* 45522* 45542* 62991* 72044* 80202*
      East Germany 19656* 27608* 31225* 80157* 90901* 90919*
    Ghana 54200
    Great Britain 3402 85659
    Hungary 13180* 27592* 45478* 45508* 90884* 90899*
    India 11477
    Italy 19711* 19773* 62645* 62650* 62676* 62679* 80107* 90890*
    Louisiana 62675
    Missouri 45420
    Netherlands 19709* 27628*
    New York 19774
    New Zealand 90931
    Northern Ireland 80112
    Norway 54242* 62700*
    nurse cows 11473* 11474* 11509* 13348* 19966* 27672* 27684* 36503* 54148* 54222* 71978* 72022* 72026*
    Ohio 3616
    pasture and range 45495 80183 19885*
      Argentina 72068*
      Bulgaria 36499*
      Canada 62684
      Hawaii 45541
      Mississippi 27591 27677
      Nebraska 90940
      Oklahoma 19702
      Pennsylvania 54179
      Scotland 3398
    Pennsylvania 19752
    Philippines 90892
    Poland 80186*
    recent developments 71984* 72007*
    Republic of South Africa 3359
    Rumania 80192*
    seasonal 3331 11501 19885 36497 54211 90940 54183*
    Spain 80124*
    Sweden 27633* 27647* 36506* 90924*
    Texas 3322 19775
    USSR 3352* 11499* 11529* 11530* 19753* 27673* 36527* 45480* 45533* 54152* 54185* 54223* 54238* 62652* 62703* 72018* 72019* 72034* 72048* 72062* 80205* 90860* 90937*
    Utah 80270
    Virginia 27626
    Yugoslavia 72077* 80144* 80145* 90887*
  grading 39900*
  growth 3369 3591 19939 19972 27596 27601 27658 27774 54200 54211 54357 62697 80129 80274 80363 90931 3450* 19708* 19753* 19896* 27512*

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Item

Calves and heifers--Cont
growth--cont
27597* 27743* 36473*
36510* 36527* 54218*
54222* 62709* 71975*
71981* 72000* 72018*
72019* 80004* 80367*
90890* 90898* 90932*
immunization 3582 54455
80301 80340 80443
91108*
infectious diseases 3439
3475 19451 19899
27749 27763 62781
72204 80255 80459
3505* 11602* 11648*
19802* 27702* 27776*
27785* 27814* 36563*
36704* 54246* 54298*
54299* 54417* 54450*
62842* 62872* 80209*
80257* 91046*
Ceylon 27693
control 54426 3441*
62761*
Ecuador 19800*
Germany
East Germany 54320*
Hungary 54385*
prevention 54273* 80325*
Republic of South Africa
19893 19932
treatment 3443 11644
19791* 19906* 27706*
36679* 62871* 72102*
80405*
USSR 3419*
injuries 54341*
losses 3312 27741*
marketing 14369 48648
57255 39900* 48665*
meat production 3330
80510*
Australia 54474
effects of drugs 80292
effects of feeding 80121
80201 80204 36521*
54223*
Great Britain 19976
Italy 62990*
mortality 72249* 90997*
parasites 11591 27724
62742 62743 62783
80249 80411 91071
11697* 19925* 36643*
72083* 72143* 80253*
control 62784
immunization 36736
80250
Nigeria 45661
prevention 11657*
poisoning 19788 80289
80293*
prices 14402
shows 19950
situation and outlook 65990
statistics 48730
virus diseases 11564
62880 80276 80318
80475 19855* 54303*
72097* 80252* 80334*
watering 54177 29888*
weaning 3369 3530
3577 11428 27679
45471 45511 45529
45541 54236 54371
80274 11523* 19768*
19821* 36484* 80162*
90906*
weight and measurement
3530 3561 11428
11447 36681 54339
54371 62687 62697
80259 90995 11458*
19632* 54331* 62867*
80004*
Calycanthaceae 50651*
Calycanthus 52354
Calyciphora SEE Aciptilia (Calyciphora)

Item

Calycorectes 58671*
Calymperes 24051
Calypogeia 76995
Calyptella 15859 33001
Calyptomerus 29352*
Calyptozetes sarekensis 82195
Calyptratae 12860*
Calystegia SEE Convolvulus
Camara Algodonera del Peru
6468 74951*
Camarosporium 58780* 58781*
Cambellotti D 57854*
Cambessedesia 50017*
Cambium 25146 43031 50658
53711 71599 90117
985* 27196* 87562*
Cambridge (New Zealand) Co-operative Dairy Co 30547
Cambridge University
Botanic Garden Syndicate
23857
School of Agriculture
Plant Breeding Institute
69279
publications 49124
Camelina SEE Falseflax
Camelina oil 68805*
Camelina sativa SEE Bigseed falseflax
Camellia
anatomy and physiology
24891 24984 25709
breeding 25693 25727
25737 25763
culture 25689
Australia 43535
California 69898
Germany
East Germany 9720*
Great Britain 17493
Japan 17412 25766
Maryland 25739
Pacific Northwest 69807
Spain 25753
fertilizers 10291*
fungus diseases 24192
24236
Great Britain 17509
hardiness 25061 69901
hybrids 25693 25705
25709 25720 25725
25727 25738 25760
judging 25708
propagation 24236
varieties 17412 25704
25762 25770 43548
89026
virus diseases 24428
Camellia japonica 17499
23951 67800*
Camellia oleosa 38474*
Camellia rusticana 67443
Camellia sasanqua 69818
Camellia sinensis SEE Tea
Camels 19510 27215* 27386*
Camera n g 38417
Cameron P 82609
Camilla 46914
Camillidae 46914
Camnula pellucida 13060
Camomile SEE Anthemis
Campaign Against Hunger
85353*
Campanula 67381 69827
33643*
Campanula microdonta 32786*
Campanula persicifolia 1118
87267 34044* 68842*
Campanula punctata 8203
Campanula vidali 32818
Campanulaceae 86432 41488*
60855*
Camphor 75533 4730* 36339*
59690*
Campichoeta 64433
Campodea fragilis 5629*
Campodeidae 4947*
Campogaster exigua 12485
Campomanesia 58671*

Item

Camponotus 4422 5270
21341*
Camponotus ferrugineus 38422
Camponotus herculeanus 38380*
82617* 92551*
Camponotus ligniperda 38380*
92551*
Camponotus ulcerosus 5513
Camponotus werthi 29613
Campoplex 73834 5295*
Camposulfonyl-methyl-amino-propanol 62341*
Campsis chinensis SEE Campsis grandiflora
Campsis grandiflora 9719
Campsis radicans 51253
Campsomeris inopinata 64550
Camptocerini 38353*
Camptomyia (Neocamptomyia) n sgen 21214*
Camptomyia (Paracamptomyia) n sgen 21214
Camptomyis (Procamptomyia) n sgen 21214
Camptomyia (Xylocamptomyia) n sgen 21214*
Camptoptera 21339
Camptoptera (Zemicamptoptera) n sgen 21339
Camptotelus 82538
Campylocia 5592
Campylomma 82566*
Campylothorax 73509
Canaceidae 46920
Canada Board of Grain Commissioners
Grain Research Laboratory
65857
Canada Bur of Statistics
15612
Canada Dept of Agriculture
32489
directories 94839
Microbiology Research Institute 94961*
publications 66511 85344
86105
Research Br 23480
Canada Dept of Forestry
26661
Forest Products Research Br 44997 79490
Forest Research Br 26662
Canada Dept of National Health and Welfare
Food and Drug Directorate
90642*
Canada Eastern Rockies Forest Conservation Board 52687
Canada Experimental Farm (Morden) 31921
Canada Experimental Farm (Saanichton) 31922
Canada Experimental Farms Serv
Cereal Breeding Laboratory (Winnipeg) 17020
Canada Lumberman Buyer's Guide 10886
Canada National Weed Committee
Eastern Sect 17662
Western Sect 17663
Canada Royal Commission on Transportation 83403
Canada thistle SEE Cersium arvense
Canada Wheat Board 39802
Canadian Federation of Agriculture 66513 66979
Canadian Institute of Forestry
18626 18629 53368
Canadian National Live Stock Record Board 36366
Canadian Pacific Railway
44974
Canadian Phytopathological Society 41601

Item

Canadian Pulp and Paper Association 11025 36036
71510 79433
Canadian Rose Annual 1753
Canadian Seed Growers Association 34344 40149
57869 85434
Canadian Society of Animal Production 27476 79963
Canadian Standards Association 71490
Canadian Tree Farmers' Association 2596
Cananga odorata 783 805
71213
Canarygrass SEE Phalaris
Canavalia SEE Jackbeans
Cancer 36833 53857 54540
3143* 19562*
man 56424 38997* 65175*
83489*
Cancer eye 3417 11620
11619*
Cancriniella n g 32724*
Candelariella coralliza 41559
Candida 16848 20241 72426
54743* 91521*
Candida albicans 91470 63289*
Candida ingens 33022
Candida pseudotropicalis
13886 45597*
Candida pulcherrima 68400*
70394*
Candida tropicalis 68760*
68761* 90582*
Candida utilis 3876*
Candidiasis SEE Moniliasis
Candolle A P de Prodromus
58483
Candy SEE Confectionery
Canellaceae SEE Winteranaceae
Canine distemper 20007
80553 3695* 91229*
causes 20016*
Denmark 27981*
diagnosis 27974*
ferrets 28141*
immunization 3703
11765 11774 11787
27962 28002 45752
19991* 28027* 28041*
45554* 91213*
Italy 3685
minks 28083 91283 11806*
72375* 72381*
resistance 20022
treatment 11763* 20016*
27965*
vaccines 3703 11774
11775 27962 54551
63010 72293 72360
91283 11583* 11751*
27889* 28141* 91213*
virus 20009 36819 54458
54551 63010 72310
72336 19991* 28027*
45554* 63070* 63275*
72292*
reviews 20038*
Canine infectious hepatitis
20021 28031 36833
54509 80553 3695*
11752* 11781*
Argentina 36793*
diagnosis 36771*
foxes 11802
immunization 11765 11787
20024 28002
Italy 3685
Japan 54544
vaccines 11751* 91242*
virus 3653 27968 54535
91218 28034* 72292*
72344* 91241*
Canker
Acer 8415
apples 50417* 67909*
citrus 41951

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Item

Canker--Cont
coffee 16070
Cupressus 41847
horses 91314
Larix 77132
Liriodendron tulipifera 50301
Populus 383 8415 24207 24364
Quercus rubra 1215
Salix 8415 24207
tomatoes 526
trees 50267
Tsuga canadensis 59773
Canna 502 918*
Canna indica 33614*
Cannabis ruderalis 86521*
Cannabis sativa SEE Hemp
Cannaceae 59551
Cannibalism SEE SUBHEAD vices UNDER Poultry; Swine
Canning and preserving SEE SUBHEADS canning; processing UNDER Food
Cannulas 62346 62380*
Cans 6689 65179* 83031*
SEE ALSO SUBHEADS aluminum; tin UNDER Containers
Cantaloupes
anatomy and physiology 34041
biochemistry 22430
cooling 39756 84382
costs and returns 32044
culture 34918 34929
diseases 335
fungus diseases 33253
marketing 84245
quality 39756
ripening 22430
varieties 52074 78172*
virus diseases 8592
Canterbury Agricultural College (New Zealand) 7754 49456
Cantharidae 21156 55717 82271 73649*
Cantharidin 55805*
Cantharis 82271
Cantharocnemis 92363
Cantharocnemis (Cantharoedus) n sgen 92363
Cantheconidia furcellata 73732
Canthonini 29376*
Canthyloscelis pictipennis 92449
Canvas 13927
Capegooseberries SEE Ground cherries
Capenopsis 82517
Cape Town Fishing Industry Research Institute 7315
Capelatus 21114*
Capillaria 11946* 11988*
Capillaria columbae 63306*
Capillaria obsignata 45984 72608
Capillaria plica 11767
Capillarids 45984 72608 91550 11946* 11986* 28266* 54790* 63306* 91502*
Capillaries 72116* 79925*
Capillipedium 88562
Capital 2594 2797 31992 57650 57651 57653 57654 57657 57658 57660 57661 57671 57680 58196 85184
Australia 40290
Canada 22988
conferences and congresses 57662
Czechoslovakia 85186*
developing areas 66377
Germany 22982* 22989* 23304* 40297* 49077* 66376*

Item

Capital--Cont
Germany--cont
East Germany 31702*
Great Britain 22983 22985 22993 31697 31978 57663 66382
Haiti 14691*
Hawaii 22987 75760
Hungary 7368*
India 31703 94402
Iowa 94545
Japan 85191*
Michigan 32023
New Jersey 94160
Oklahoma 15080
Pennsylvania 23330
policies and programs 57664
Rumania 57655* 57665*
Scotland 7376
situation and outlook 57679
Southern States 7375
statistics 85196
Sweden 31700* 85190*
USSR 94171 22986* 40287* 40291* 40294* 49017* 49019* 49021* 57652* 66375* 66386* 66393* 75860* 76234* 94165*
Utah 15109
Yugoslavia 85193*
Capitalism and agriculture 85934 75835*
Capitophorus 29566
Capnia 56029 82870
Capnia manitoba 5614
Capnia utahensis 82870
Capnodiaceae 86598 32944*
Capnodis tenebrionis 12579*
Capnogonium n g 32944*
Capons 3987 37101 28237* 36960*
Capparidaceae 122
Capparis aphylla 8793
Capparis decidua 50765
Capped elbow 54625*
Capretti C 67182*
Caprifoliaceae 68351*
Capritermes 21503
Caprone SEE Nylon
Capsicum SEE Redpeppers and kinds of redpeppers
Capsicum annuum SEE Bush redpeppers
Capsicum frutescens SEE Bush redpeppers
Capsicum frutescens abbreviatum 25758
Capsidae SEE Miridae
Capsus ater 38328
Captan 16586 41728 51224 57085 58941 67900 77116 77711 14198* 24298 41782* 41917* 77146* 86802*

Carabidae
Afghanistan 46824*
Africa 21086* 38072* 64325* 73595* 92343*
Alaska 73622
anatomy and physiology 5026* 46890*
as pests 63971*
Australia 29346 38085 38086 38132 73632
Austria 92394*
bibliographies 4987*
Canada 73622
Canary Islands 73601* 73627* 73628*
Caucasus 38117* 46890* 64388*
collections 5042
cytology 38074
ecology 46903 55759* 64328*
evolution 73611*

Item

Carabidae--Cont
France 4987* 46886* 46890* 64380* 64387*
genetics 64367*
geographic distribution 73619* 73631*
Great Britain 38096 73593
habits and behavior 55725 12846*
Himalayas 21101*
Iran 82304*
Italy 29383* 38063*
Japan 21118 29366 29367 29403 46837 82337 82338 92368
larvae 4973 38101*
Madeira 73627*
Netherlands 4979*
New Guinea 82247
New Zealand 82227
nutrition 4973 12846*
Palearctic Region 38106* 38107* 46841*
rearing and breeding 55759* 64384*
Scotland 38108
Southeast Asia 55717
Spain 46890* 64380*
Sweden 38123*
taxonomy 46837 73622 82227 82247 92388 92368 46819* 46825* 46841* 64331* 64380* 73593* 73598* 82304*
Trindade Island 73612*
Tropics 29346
types 38072*
USSR 64351*
Carabidodoxus 73595*
Carabinae 82247
Carabini 92394*
Carabus 64384* 81432* 92394*
Carabus billbergi 46819*
Carabus koganae 21101*
Carabus le bretae 21101*
Carabus (Leptocarabus) 92368
Carabus purpurascens mixtus 46886*
Carabus variolosus 38101*
Caracas Instituto Agrario Nacional 66783* 85683*
Caracas Instituto Botanico 55
Caracas Universidad Central de Venezuela
Jardin Botanico 55
Caradrinidae 5338 5406 5473
Caragana 148
Caragana arborescens 16339* 18968* 59032* 69246*
Caragana sinica 50057
Caraguata 82215*
Caranistes 46910*
Carapa guianensis 62233
Carapa nicaraguensis 62233
Carapa surinamensis 62233
Caraphractus cinctus 21331
Carapichaima (Trinidad) Central Agricultural Research Station 43055 43325
Carausius morosus 29751* 29764* 29779* 38526*
Caraway SEE Carum carvi
Carbachol
reviews 19481*
Carbamates
in textile industry 39460
insecticides 4396 4551 12356 28850 29039 46335 46381 46505 55482 63751 73095 73099 81387 81415 81510 81511 81583 37741* 46312* 64022*
reviews 4404
Carbamic acids 478

Item

Carbamide SEE Urea
L-Carbamylaspartic acid 34258
Carbazole 70331
Carbohydrase 4252*
Carbohydrates
chemistry 11363 66248
determination 48137 74407
effects on plants 42671 24845*
in alfalfa 60185 90553
in algae 88234 68814*
in arachnid nutrition 55699
in arachnid physiology 12781
in avocados 68561
in birdsfoot deervetch 60185
in brewing 65891
in cattle nutrition 3349 11488 11503*
in cattle physiology 54329* 80321*
in coffee 21982
in corn 25052*
in eggs 31483* 75670*
in feed 11510* 53766*
in food 74407 83333* 83359* 86087*
in forage plants 68797* 71668*
in grapes 42766 68860*
in grasses 48137
in human nutrition 23675 58308
in insect nutrition 73828 20984*
in insect physiology 29173
in Jerusalem artichokes 34191*
in meat 57296
in Morus 24935* 33992*
in oats 1218*
in oilseeds 14476
in peas 87811*
in plants 8905 8906 9013 9222 9227 16652 24985 25167 25456 41727 41801 42694 50942 53418 60116 60241 67986 71271 77729 87579 87591 984* 8975* 9309* 21784* 24768* 41902* 59987* 68735* 77744* 77801*
reviews 25170
in potatoes 42724* 42742* 68792* 93563*
in poultry nutrition 28204* 37341*
in poultry physiology 45996*
in pulp and paper 2917 71531
in red clover 60185 88533
in rice 51231
in ruminant nutrition 36183 71645
in ruminant physiology 11280*
in rye 1227*
in seeds 1316
in semen 72464 72469
in sheep nutrition 28488 72853 91655*
in sheep physiology 12149 46146 63514 63515 63516 91708 72817*
in soils 89506*
reviews 70277 89500
in Sorghum halepense 1144
in sweetpotatoes 39749
in swine nutrition 37341*
in Tulipa 68874*
in Vernonia baldwini 16795
in wheat 1227* 25052* 75352*

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Item

Carbohydrates--Cont
in winter rape 50948*
in wood 27149* 45162* 83633*
in wort 39148
SEE ALSO Starches; Sugars
Carbolic acid SEE Phenol
Carbolineum 73273*
Carbon
effects on plants 954 24770 33959 1379* 27604* 59839*
in animal physiology 12209*
in plants 34054 42521 60282 68591 69144 88233 9019* 33955* 51510* 59810* 59815* 68679* 78440* 87643* 87715* 87828*
reviews 77717
in poultry nutrition 45927
in soils 26070 35154 43982 52473 78333 61195* 70238* 70256* 70307* 78397* 78455*
Argentina 61298*
Australia 78361
Brazil 78356*
India 26073
USSR 89493*
Western Hemisphere 26073
SEE ALSO Activated carbon
Carbon black 48869
Carbon compounds 87959
Carbon dioxide
anesthetic 63191
determination 93231
effects on fungi 42477* 60010*
effects on insects 5175 5630 12898 46946 81503 82309
effects on nematodes 59211*
effects on plants 1163 1349 8963 16727 34079 60026 65832 68787 74326 75201 77561 77813 87614 87649 87691 87780 87920 1038* 1303* 22677* 42598* 59857* 68659* 69025* 77544* 88035*
effects on semen 62612 62625 19663* 27538* 54107* 90841*
fertilizers 35290*
fixation 952 26097 34262 42926 42931 43043 51024 51248 51546 59945 68729 16580* 24862*
in animal physiology 45599 54862 72639*
in forest fire control 10842
in fruit storage 39775 65825
in grain storage 14224* 22458*
in insect physiology 4858* 12697* 21136*
in plants 1154 1276 34023 42755 50954 58554 69271 77493 77622 16892* 34166* 49942* 60313* 69093* 69097* 69100* 87527* 88053*
in slaughtering 54043 62952* 63687* 63696*
in soils 18066 26111 70310 70372 35175* 78350*
in vegetable storage 39775
Carbon disulfide 28828 29122 37774 46311*
Carbon monoxide 87570

Item

Carbon tetrachloride
effects on animals 36600* 63160*
fumigants 55526 55527
storage pest control 37774
therapeutic use
cattle 3472* 3592* 27857* 45579* 54354* 80461* 80470*
dogs 80576*
sheep 63458 4120* 72858*
toxicity 12154 28139* 54534* 54623*
Carbonates
effects on plants 88043
in soils 18021 26089* 52479* 70248* 70429* 78325* 89525* 89530* 89571*
in sugar manufacture 14610*
Carbonic acid 47852* 69098* 74737* 83784* 83785*
Carbonic anhydrase 37277 3177* 54512*
Carbonic anhydride SEE Carbon dioxide
Carbonyl compounds
determination 14479
in fats and oils 22655 31339 57324 57364 48776*
in tobacco 22904 48966
in vegetables 22341*
Carbonyl group 11051
Carbophenothion 55165*
Carboxyl group 42487
Carboxylases 56975
Carboxylic acid 88128 24943* 30533*
Carboxymethyl cellulose 22526 39862 71509*
S-Carboxymethyl-N,N-dimethyldithiocarbamate 34114
Carbula pedalis 64055 64056
Carbyne SEE Barbane
Carcasses
analysis and composition 6902* 19500*
contamination 6965*
contests 14374 39970
disposal 84678 84692 11385* 27448* 27500*
judging 14397 19462 27492 66041 84682 14398*
microorganisms 6965*
processing 93877*
shows 11384*
terminology 14398
SEE ALSO UNDER names of animals
Carcelia evolans 38226
Carcinex 16029*
Carcinogenic substances 5088 16519*
Carcinoma
cats 27976
cattle 27824 45567*
dogs 27976 45763 80555 72355*
rats 28144*
SEE ALSO Cancer eye
Carcinophorinae 29792
Cardamine 76946
Cardamine digitata 41453
Cardamon SEE Elettaria cardamomum
Cardaria 17715 42157
Cardaria draba 60969
Cardenolide 1378* 69175*
Cardia 79892*
Cardiaspina 82564
Cardigenius 82288*
Cardiocladius 12874
Cardiogaster 29582
Cardiolipin 9292
Cardiospasm 3527*
Cardoon 19757* 51388*

Item

Carduus 58614*
Carex 15764 58691*
analysis and composition 91660*
ecology 693* 59237*
fungus diseases 41549
taxonomy 15771* 76960*
USSR 15733*
Carex bigelowii 59279
Carex brizoides 44768*
Carex filifolia 76935
Carex flava 33542*
Carex fraseri 32755
Carex pachystylis 59961* 60069*
Carex pilosa 76843* 87289*
Carex rostrata 42826*
Carex rotundata 42826*
Carex sachalinensis 32795
Carhart A H 49760
Caribea n g 41317*
Carinifer 38289*
Carios vespertilionis 82148*
Carlina vulgaris 59664*
Carnation SEE Dianthus caryophyllus
Carnation Year Book 78101
Carnauba wax 31351 84817* 84818*
Carnegie Institute SEE Pittsburgh Carnegie Institute
Carnegiea gigantea SEE Cereus giganteus
Carnivorous plants 42651 25101*
Carob beans 56967* 57082* 65797*
Carob (tree) SEE Ceratonia siliqua
Caropodium platycarpum oil 22722*
Carotene
determination 75556 74422*
extraction 31008*
in animal nutrition 3050 36195
in animal physiology 11260
in blood 27516* 36717* 54801*
in cattle nutrition 19745 45415 45486 72041 27524* 90907* 91129*
in cattle physiology 72088 27516*
in eggs 46074*
in feed 27237 83982*
in forage plants 45203* 69215* 83149*
in fruit juices 48328 67141
in fungi 34214
in goat nutrition 54903
in human nutrition 94811
in margarine 75556
in milk 54188*
in plants 9053 34298 77760 77812 83955 1220* 51240* 68634* 69096* 87727*
in poultry physiology 63269*
in rabbit nutrition 46080
in rat physiology 45853*
in sheep physiology 4112
in vegetables 49744 57022 32476*
SEE ALSO beta-Apo-8-carotenal; Vitamin A
beta-Carotene 51462 74752 75121
determination 65698*
in food processing 6029 13524
in plants 68634*
in vegetables 30945
Carotenoids
determination 30938 30945 48328 65849
in blood 4113

Item

Carotenoids--Cont
in cattle physiology 19885*
in corn 77770
in cottonseed oil 93920*
in eggs 48547*
in feed 36997*
in food 83324
in fruit juices 48328 67141
in fungi 9244 42950 56462 1394*
in grain 22522 48547 65849
in insect physiology 4846*
in plants 1338 1343 9258 9271 9315 25209 42996 43045 77707 1327* 16925* 25199* 25200* 25235* 34284* 42946* 51452* 68666* 69004* 88127*
in tomatoes 39748
in vegetables 30951 25004*
manufacture 56462
Carpal gland 46220*
Carpenter bee SEE Xylocopa virginica
Carpet beetles 81853
Carphurus 64395*
Carphurus plicaticollis 64395*
Carpinus 10798* 16268* 42108* 44700* 71462* 89523* 90372*
Carpinus betulus 36146* 52044* 58724* 68193* 86520*
Carpocapsa 81757*
Carpocapsa pomonella
anatomy and physiology 5450 64672 82769 82770 37707* 47159* 82687*
Canada 21406
control 20820 22405 55501 73298 81763 4680* 37695*
Austria 46583*
biological 29106* 55511* 63983* 63999* 73269* 92145*
Canada 81774
China 37707*
Idaho 37739
Republic of South Africa 81769
reviews 37701*
Rumania 46527* 55510*
tests 29074
USSR 20846* 46559* 73285* 73286* 73292* 73320* 73321* 81820* 81821*
ecology 37695* 46527*
Great Britain 37716
habits and behavior 21406 38493 29725* 47192* 73268*
nutrition 5450
outbreaks 12595*
Spain 81768*
Carpocapsa pyrivora 73285*
Carposina niponensis 55984 81814*
Carposina sasakii 55982*
Carrageenin 47783 34324* 56626*
Carre's disease SEE Canine distemper
Carrots
analysis and composition 14062
anatomy and physiology 4439 8802 8903 16589 50288 60023 87508 8919* 50969* 59544* 59825* 68666* 77660* 87499*
biochemistry 6699 34298 60303 75121

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Item

Carrots--Cont
breeding 87508 9805* 89171*
Colorado 9798
costs and returns 15114
culture 16589
Canada 17621
Finland 89211*
Italy 89206*
New Zealand 25800
Norway 43586* 43589* 43615*
USSR 69929* 88648*
disease resistance 50288
diseases 8350 86707*
dried 65784
feed 88648*
fertilizers 10173 8919* 10276* 61421*
for processing 15114
forcing 43658*
fungus diseases 67821 24343*
genetics 33808
germination 68531*
hardiness 34931*
harvesting 21635*
keeping quality 89171*
male-sterile 33808 68414 87385
marketing 30975*
morphology 68414 87252*
nematodes 33456* 50564* 87131*
pest control 46503 73244 46491* 86707*
pests 37637
physiological diseases 34056
planting 43657* 60893* 89195*
prices 75161*
processed 75124
quality 34931* 75161*
seeds 59544* 68531* 87499* 89195*
soils 61421*
spraying and dusting 8903
storage 6699 22433* 57062* 89171*
thinning 60893*
varieties 30975* 34931* 43615* 69911* 89211*
virus diseases 24431*
weed control 17759 17785 17811 52268 52313
Czechoslovakia 70051*
Great Britain 89302
New Zealand 43806 43821
Norway 43774* 60987*
USSR 86707*
yields 10276* 61421*
Carrpos n g 209 68349
Carson National Forest 44604
Cartels 85942*
Carthamus tinctorius SEE Safflower
Cartilage 79848
cats 72301*
horses 80636*
poultry 54753 54784*
rabbits 80932*
Cartography SEE Maps; and SUBHEAD maps UNDER specific subjects
Cartomothrips n g 82913
Cartons SEE SUBHEADS fiber and fiberboard; paper and paperboard UNDER Containers
Carts 13248* 56251* 74171* 83194* 92941*
Carulaspis 92497*
Carulaspis carueli 4742*
Carulaspis juniperi 4742*
Carum carvi 12743* 59808*

Item

Carya
Asia 58710
Central America 76962
cytology 826
Mexico 76962
Poland 32754*
taxonomy 58710
varieties 17395 17407
wood 2978
Carya illinoensis 8254 85789
anatomy and physiology 946
conferences and congresses 1748
culture 1747 1750 17403 48354 88976*
diseases 330 338 8324 41609
fertilizers 2291 2350
fungus diseases 386 408
control 33174 58924
Southern States 387 428 33173 58962
nutritional deficiencies 16604 41609
pest control 4696 4701 8324 12558 41609
pests 73284
policies and programs 1744 1750
propagation 1746 33174 78098
soils 16604
South Carolina 6743
spraying and dusting 338 343
varieties 43456 60736*
Carya ovata 35737 77194
Carya palmeri 58710
Caryoborus gonagra 55762*
Caryophyllaceae 41449
1078* 41365* 41392* 51466*
Caryopteris 42086 77299 60760*
Casaron 52306
Casearia 32722
Casearia sylvestris 68217
Casein
analysis and composition 47934 47944 56633 83815 93294 6221* 22022* 22023* 30499*
bacteria 13715*
chemistry 47908 83814 13741* 13764* 30502* 39276* 48092* 83362* 83740* 83752* 93289*
deterioration 13715*
enzymes 30502*
extraction 6227
in animal nutrition 37388 54734 63491
in animal physiology 20106 37247
in insect nutrition 29347
in milk 6227 11393 6201* 27598* 27939* 30502* 74687* 74736* 74756* 83738*
in wine manufacture 74581*
manufacture 39389 56741 56771
processing 22117 83898*
properties 39264 39269
utilization 58017
alpha-Casein 13742
kappa-Casein 22117 83761 83774 83803 83814 83891
Casein hydrolyzates 9167
Caseinate 6363 47908 65421*
Caseolytes 74693*
Caseous lymphadenitis 54944 81031 54961* 63437*

Item

Cash crops 2497 7602 9324 40667 75987 76096 77976
Cashew (tree) SEE Anacardium occidentale
Cashew nutshell liquid 2859 4417 6694 7104 30965
Cashews 84139 65704* 65799*
Cashmere 48178
Cassava
analysis and composition 44167
anatomy and physiology 49973 60241
biochemistry 34245 34330 34337
costs and returns 32031*
culture 17859* 43872* 52362* 89111*
enzymes 1390
feed 12218 11195*
marketing 39695
nutritive value 67133 86091
products 49741
starches 75100*
varieties 89213 35090*
Cassava flour 48454*
Cassia 21947 87094 1813* 89084*
Cassia fistula 60325
Cassia glauca 97
Cassia holosericea 41553
Cassia javanica 71213
Cassia occidentalis 16143
Cassia tora 8581 91437 33651*
Cassida 55739*
Cassida deflorata 55492*
Cassida (Dolichocassida) n sgen 46832*
Cassida nebulosa 81673*
Cassida rubiginosa 12807
Cassida viridis 73605
Cassididae 29331*
Cassidinae 82341
Cassiope 67464
Cassus 82792
Cassytha 50794
Castanea
anatomy and physiology 68642*
culture
Czechoslovakia 71077*
Italy 78095*
Japan 43458*
Rumania 43453*
Switzerland 26873* 61830* 61899*
disease resistance 15976 15995 41787* 77180*
diseases 8322*
ecology 59255*
extracts 84719*
fungus diseases 15976 15995 16073* 41785* 41786* 41787* 67939* 67943* 77180* 87488*
hybrids 15976
pest control 20823
pests 29107* 55908*
propagation 71214
seedlings 41785*
soils 44015*
Washington 32849
Yugoslavia 87161*
Castanea crenata 44797 11054* 79607*
Castanea dentata 44797
Castanea mollissima 15654
culture 17400 17411
genetics 16457 44797
germination 16516
planting 17394
propagation 17398 17409
Castanea sativa 3005* 9685* 59468*

Item

Castanopsis thunbergii 62191*
Castela tortuosa 16909*
Castor oil
analysis and composition 22671* 66102* 75499* 84835*
chemistry 14495*
hydrogenated 66135 84813
processing 31382 66128
utilization 75518
Castorbean meal 45659*
Castorbeans
analysis and composition 14481 57390 22671*
anatomy and physiology 34206 77729
biochemistry 1319 42937 42974 69257 88204 88205 88250
culture 25505 25499* 34545* 69646* 77977*
cytology 8762
enzymes 40069 93895
fertilizers 78674
genetics 42367 50904
harvesting 29950
hulls 3447
hybrids 25505
irrigation 78674
morphology 77361*
soils 78674
statistics 22651 48777 84771*
utilization 14014
varieties 26671* 25499*
weed control 9924*
Castration 71723 19438* 19613* 62479*
cattle 36407 45548 11276* 19896* 28487* 54259* 54312* 54437* 62902* 72147* 80047* 91083*
reviews 54317
poultry 37101 28237* 72594* 72667* 80825* 91493* 91537*
rabbits 80947* 81076* 91611*
rats 54676
sheep 4164 11276* 12155* 20386* 28487* 46142* 54916* 81076*
swine 4263 4267 11276* 28660* 81076*
SEE ALSO Capons; Spaying
Castulo thirkelli 73821
Casuarina 78410 24198*
Casuarina stricta 26812*
Cat foods 27955 48135
Cataenococcus 21275
Cataglyphis indica 82633*
Catala 21314* 29570*
Catalase
determination 6639
in cheese manufacture 22111*
in insect physiology 4859 4861*
in milk 47931
in plants 6639 42620 42730 67916 75227 93565 16500* 25208* 25234* 25246* 42840* 50917* 51506* 68895* 88155* 88184* 90226*
in semen dilution 3264 80030
utilization 19502
Catalase-thybromol test 27788*
Catalogue de Gaulle 64534*
Catalogue Lhomme 64635*
Catalogus Faunae Austriae 64264*
Catalpa 1324
Catalpa ovata 90434*

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Item

Catalpa ovata seed oil 57349
Catalposide 1324
Catamimus n g 21141
Catanella n g 29386
Catania Università 94393*
Catantopinae 82836*
Catapausa 92347*
Catapodium marinum 41362*
Cataracts 80583 20233*
Catasetum 32765
Catch crops
culture
Czechoslovakia 68798*
Germany 9332* 88272*
East Germany
16985* 25270* 69283*
69425* 77927* 77837*
Northern Ireland 34365
Poland 88613*
USSR 1562* 25825*
34520* 60524* 69301*
88290* 89668*
Yugoslavia 88266*
fertilizers 88272*
Germany 35390* 89751*
East Germany 51585*
51801* 71694* 89755*
harvesting 74130* 92829*
Hungary 69575* 87810*
India 34368
labor 57783*
Netherlands 1739*
Poland 88624* 88688*
88690*
soils 69425*
statistics 47814* 65261*
USSR 1614* 18329*
25280* 43228* 78757*
78820* 88426* 88498*
88586* 88605* 88660*
88696* 93180*
Catechin SEE Catechol
Catechol 88187 9268*
88253*
Catenaria vermicola 8619
Caterpillars
anatomy and physiology
38510 21398* 63912*
82687*
as feed 13014
as pests 29739 46354
57273* 63912*
breeding places 47146*
control 12495 12535
20713 12575*
biological 64089
81402 73372*
Brazil 28968*
Canada 63893 64089
China 37810*
USSR 81676*
diseases 29712* 64115*
Great Britain 64604
habits and behavior 82659
29683* 38444* 38458*
73815*
outbreaks 81878
parasites 5297 38399
Texas 29652
SEE ALSO Lepidoptera, larvae
Catharanthus SEE Vinca
Catharsius (Catharsius) 29354*
Cathcart E P 8056
Catheters 62856*
Cathode rays 55534 7012*
Cations SEE Ions
Catnip oil 31375*
Catocala allusa 29666
Catocala connubialis 5488
Catocala fraxini 82709
Catocala fulminea 47188*
Catocala nymphaea 38305*
Catocala nymphagoga 38504*
38505*
Catocalinae 38429*
Catonomyia n g 82382
Catopidae 5043* 82334*
Catops 82334*
Catopta 92580*

Item

Catoptria domaviella 12990*
Catoptria kasyi 12990*
Catorama 82271
Catrielia n g 29707*
Cats 45801
abnormalities 20023
36767 36777*
anatomy and physiology
54533 80584
and disease 20041
as laboratory animals
27957 72361*
associations 45800
color 36768
cytology 36791
deficiency diseases 80524*
91176*
digestion 63007*
disease resistance 11759
diseases 27989 3676*
11768* 36772*
diagnosis 3701*
treatment 45792
91224 91260 3129*
11746* 19986* 72300*
72345* 91266*
estrus 20036 54508*
evolution 19979
feeding and nutrition 27957
27957
genetics 19979 36767
36768 45735 54499
habits and behavior 45753
54576*
in literature 3713
injuries 36807 45764
pest control 20658
pests 12398 82190
poisoning 11757 28837
63738 80565 19990*
80578*
pregnancy 20025 11768*
reflexes 54576*
respiration 91186*
sleep 3670
surgery 28038
transportation 93834
virus diseases 36802
vomiting 11778*
watering 27957
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, and pests
Cattle 62514
abnormalities 11419
11708 27753 45674
3560* 36621* 36650*
72138* 91079*
adaptation 54465 71897
19655* 27522* 45416*
62616* 62954* 71918*
71926*
Philippines 62589
Tropics 80479
United Arab Republic 19807
Yugoslavia 11711*
27581* 27696* 80067*
80373*
age 27586 27726 27854
36608 45399 45627
62844 62943 62985
11560* 19731* 27575*
27765* 36616* 36717*
45544* 54255* 62933*
72132* 80040* 80398*
80431* 80621* 90991*
anatomy and physiology
3538 3541 11699
19913 27701 27863
36345 36445 36646
45627 46379 62631
62885 81497 90506
3455* 3483* 3511*
19854* 27847* 36540*
36541* 36714* 45507*
45662* 45675* 54289*

Item

Cattle--Cont
anatomy and physiology--cont
54296* 62751* 72085*
72163* 72182* 80013*
80046* 80308* 90838*
91007*
associations 45711 71969
54126*
Belgium 62973* 90796*
breeding 3240 3290
27536 36443 36471
54087 62468 72080
90842 27509* 27510*
27514* 36540* 45402*
54078* 54124* 54326*
71908* 80024* 80048*
80079* 80262*
Austria 27506* 90859*
Brazil 3246* 71947*
conferences and congresses 11451*
Congo 11404*
cooperatives 62567*
Czechoslovakia 79642*
Denmark 45434*
effects of age 90880
27570* 36408* 45421*
62821* 71955* 80004*
80020* 90827*
effects of disease 62603
62631 62712*
effects of feeding 54172
62697 90815 27524*
54163* 62573* 71906*
72055*
effects of housing 72121
Europe 90811 54126*
Germany 36528 11436*
11443* 27547* 27560*
36456* 45397* 45423*
54079* 54083* 54102*
71914* 71917* 80035*
East Germany 11433*
Guinea 27520*
Honduras 3466
hybridization 19685
45547 54128 71942
80259 90995 19661*
27566* 27762* 45424*
45429* 54331* 62529*
72151*
France 19661*
Germany
East Germany
45457* 54085*
Hungary 11463*
11464* 71921* 71922*
Nigeria 11392
Trinidad 71972
USSR 45451 3251*
11429* 11434* 11465*
19642* 27517* 27553*
27557* 27558* 27578*
27589* 36458* 36473*
45458* 54114* 62613*
62627* 62867* 72233*
Yugoslavia 27581*
80087*
inbreeding 3236
3238* 3245* 3280*
11401* 11426* 27548*
62572* 62575* 62588*
71932* 90806* 90851*
India 11422 19681
45655 45656 62577
80041 80042 90872
Israel 36419*
Italy 11412* 27930*
36386* 36391*
Japan 45462*
Latin America 62527*
linebreeding 11437*
27527* 62576* 90846*
Netherlands 36433
62593 71910 71927
3294* 45443* 80005*
Nevada 27733
Nigeria 11392 19645
Northern Ireland 71946

Item

Cattle--Cont
breeding--cont
Norway 36452*
Pakistan 45426
Paraguay 90817*
Poland 19664*
Republic of South Africa 11459
research
statistical methods
19638 54101 19639*
reviews 36574*
seasonal 45733 62547
90843 90874 11555*
Southwest Africa 45456*
study and teaching 45434*
Switzerland 11410*
19689*
Tasmania 80090
USSR 11427* 19622*
19668* 19678* 36403*
45416* 45675* 54097*
62557* 62619* 62629*
62630* 71622* 80094*
90825*
Venezuela 3021* 90804*
Yugoslavia 11450* 80046*
80065* 80068*
breeds 3300 11435 27854
36150 36465 45438
45655 45729 54081
62273 62985 80092
3021* 11450* 11458*
27581* 36452* 36461*
45422* 54089* 54466*
62555* 62619* 62630*
71900* 90816* 90824*
90958*
Aberdeen Angus 3252
3274 3277 3297
14360 27504 27638
27901 36378 36382
36427 36431 36454
36463 45450 62545
71913 71963 80074
90809 90876 11462*
62867*
Afrikaner 71965 80100
Alatau 11437* 54496*
71932*
Algarve 36379*
Angeln 3308* 80093*
Ankole 11404*
Austria 14430*
Ayrshire 3299 19682
36421 62764 62537*
Bachaur 45433
Beef Shorthorn 27901
36392 36444 36450
36451 39948 90871
Beefmaster 62601
Bestuzhev 27570* 72057*
Black-eared White 62551*
Black Pied Lowland
3245* 3307* 11426*
11443* 19642* 19655*
19944* 27566* 36473*
45413* 45457* 54084*
62563* 62628* 72151*
80067* 80068* 80441*
80468*
Brahman 45419 62794
80100
Brangus 90821
British Friesian 80137
90813
Brown Alpine 11405*
11444* 27598* 36430*
54115* 54168* 62552*
62553* 62564* 62604*
80486*
Brown Swiss 19682
54177 62569
Busa 80087*
Butana 45398
Caracú 71889*
Caucasian Brown 54114*
80004*

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Item

Cattle--Cont
breeds--cont
Central and Upper Belgian 79998*
Charollais 27530
27574 62983 71942
90995 36390* 45407*
54118* 72127* 80055*
80077*
Chiana 27511* 27904*
62690* 62990* 90849*
Czechoslovak Red Spotted 27537 27754*
36418* 45439* 45452*
45453* 45455* 62624*
90836* 90839* 90853*
90868* 90870*
Dairy Shorthorn 11446
27579
Dajjal 45426
Devon 36412
Dhanni 45426
Dutch Friesian 80005*
East Flemish Red Pied 62633*
East Friesian 11550*
11711* 27517* 27553*
Estonian Native 62606*
Estonian Red 62693*
62867*
Flemish 19661*
Fribourg 45696* 80084*
Friesian 19807 11401*
11465* 54117* 80045*
90814*
Friesland 54111 62632
Galician Blond 54091*
Galloway 36405 36432
German Brown 36455*
German Simmental
19798* 36390* 36402*
36455* 45407* 45418*
Gir 36447*
Gorbatov Red 19642*
Guernsey 13719
19682 62559 62910
80045 45411*
Hariana 11422 11432
11477 80025 90873
90874
Hereford 3278 3303
3310 11408 11428
11536 11590 19652
22582 27713 36388
36420 45420 45697
62545 62571 62687
62697 62707 62794
79997 80021 80088
80100 80190 80270
80519 72186*
Highland (Germany)
27512* 27566*
Holstein-Friesian 3283
3561 3568 11417
11456 11457 11735
19683 19687 36416
45432 45454 45460
45486 45495 54122
54177 62569 62574
62622 62684 62910
71919 71972 80095
19629* 27503* 36387*
71975*
Hungarian Red Spotted
19624* 45406* 45424*
Iskar 54168* 56664*
80435* 90818*
Israeli Friesian 80225*
Jersey 3506 11699
19682 45451 45547
54177 62569 62574
62910 71891 80017
80507 90877 27526*
27533* 27555* 27566*
27762* 36458* 36473*
45424* 45457* 54084*
54090* 54109* 54133*
62563* 62606* 71921*
71922*

Item

Cattle--Cont
breeds--cont
Kalmyk 11423*
Kankrej 90856*
Kenana 54247
Kholmogor 3280*
3314* 11427* 19740*
36458* 71952* 90851*
Kostroma 62616*
Kula 36499* 90818*
Kumauni 90938
Kurgan 3238* 90860*
Latvian Red 36504*
54080* 62575*
Lebedin 19753*
Malvi 27824
Marche 11402* 80013*
Meuse-Rhine-Yssel 62766*
Milking Shorthorn 19682
Modena 62540*
Mongolian 71974*
Montafon 80087*
N'Dama 3532 19646*
19647* 27520*
Nellore 3246*
Norwegian Red-and-White 13716*
Oberinntal 27522* 80065*
Ottone 27576*
Pechora 19648*
Piedmont 27568* 62592*
62607*
Pinzgau 45423* 45441*
54102* 80046*
Polish Red 19664*
62576* 71935*
Polled Hereford 3289
80069
Polled Shorthorn 36439
Red Danish 19682
71928 3269* 19661*
27517* 54085* 80020*
80023*
Red Pied Friuli 62549*
Red Polled Östland 13716*
Red Sadovo 80435*
Red Sindhi 3569 80018*
80019*
Red Steppe 19668*
62588* 62709* 71899*
Romagna 27505* 36386*
62535*
Sahiwal 11447 45426
62569
Santa Gertrudis 62589
71937 80011 80051
11397* 11434* 45416*
Schonhengst 90949*
Shkodra Red 45411*
Shorthorn 80100 91022*
Siberian 27535*
Simmental 11459
27535* 54331* 62613*
71967* 71981* 71987*
72106* 72108* 72233*
80046* 80078*
Sofia Brown 36401*
36757* 54132* 54175*
54217* 54218* 80435*
90932* 90991*
South Devon 36457
Spotted Mountain SEE German Simmental
Swedish Friesian 71939*
80036*
Swedish Red-and-White 62537*
Swiss Brown 19632*
19686* 54109* 62627*
90869*
Tabapuã 71947*
Tagil 11465* 27653*
Tirolese Grey SEE Oberinntal
Turino 90820*
Turino-Holandes 90820*
Ukrainian Grey 27583*

Item

Cattle--Cont
breeds--cont
Ukrainian Red 27557*
27589*
White Fulani 19645
80291 80418
Whiteheaded Kazakh 71974*
Yakut 80080*
Yaroslavl 27526*
Yellow Hill 54085*
Yugoslavian Simmental 62663*
Zebu 11670 45547
45563 48628 62890
67098 71972 81490
90923 27553* 27557*
27589* 27732* 45431*
62527* 62627* 71947*
80009*
carcasses 3319 3320
19978
analysis and composition
6952 11537 48628
54489 80204 91155
6907*
grading and standardization 6952 14376
19964 39925 62545
62976 66047
hydrogen-ion concentration 80407
judging 11719 11720
14383 19649 19948
66040
quality 11491 11496
11681 11718 19956
39925 45420 54095
62898 62956 72161
93849 19896* 62965*
62966*
regulation and inspection 57280*
weight and measurement
6952 22582 27551
27714 57279 62610
62683 80150 93849
72108* 72127* 80343*
yields 14376 19962
57279 66047 80487
91150 62966* 62990*
80488* 80510* 90930*
care 19616 19949* 27908*
90929*
Congo 72264* 72268*
90983*
Germany
East Germany 91041*
91159*
Hungary 64986*
Italy 36752*
Northern Ireland 80494
Rwanda-Burundi 72271*
Southwest Africa 54497*
Switzerland 72270*
Yugoslavia 11450*
clipping 36746 45682
80518
color 19626 19627 36407
45454 3241*
conferences and congresses 72118*
Congo 71900*
cooling 3634
cooperatives 40566* 54476*
costs and returns
Arkansas 7652
Czechoslovakia 66753*
Germany 75456*
East Germany 66762*
Great Britain 66741
Hungary 64986*
Indiana 23368 23370
Northern Ireland 85523
Switzerland 85651*
USSR 27629*
credit 40318
culling 62779

Item

Cattle--Cont
cytology 19919 27757
27812 36422 36423
45576 45649 62788
45589* 45680* 72129*
80252* 80396*
deficiency diseases 81023
19789* 19868* 27730*
46211* 62893* 80444*
80454* 91024* 91129*
digestion 3350 3357
3435 3558 3568
3587 11541 11645
11652 19913 36556
36682 45626 45629
62714 62740 62937
72037 80218 3411*
3482* 27772* 36660*
54404* 62800* 72160*
80207*
dipping 4544 28911
55334 4570* 92049*
disease resistance 19899
45610* 62907*
diseases 27758 3436*
3578* 11677* 54266*
Australia 3282 3286
27874
control 3463 3512
19839 80413 36708*
54292* 62940* 80331*
Australia 27722
Congo 90983*
Germany
East Germany 54415*
Great Britain 36754
Italy 11566* 62736*
72118* 80382* 91149*
diagnosis 3462* 80244*
effects of age 3532
New Hampshire 54456
prevention 3265 19841
19852 54083*
statistics 45638*
study and teaching 54014*
transmission 28862
80452
treatment 28103 80245
90972 91003 11629*
19880* 19906* 45590*
54083* 72117*
Tropics 90985*
Yugoslavia 80023*
draft 3395* 36665*
Angola 72277*
India 11432 21758
Japan 36756* 80480*
ecology 45729
embryos 27859 3465*
36486*
abnormalities 11579*
27841* 36694* 80395*
anatomy and physiology
19919 36580 45649
62901 19784* 27780*
27852* 36567* 36705*
45617* 72093* 72101*
72116* 72244* 80238*
90885* 90970*
diseases 36580
immunization 36710
mortality 19662 27509*
45402* 45664*
reviews 27697*
viability 11705 19918
36718
estrus 3467 19807
19840 19943 27880
36595 45635 62841
71943 72080 80190
80298 19625* 19844*
27732* 27839* 36741*
54448* 62931* 72148*
72224* 90962* 91005*
91015*
equipment 92959*
exercise 19828* 62798*
71936*

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Item

Cattle--Cont
farms and ranches
Arkansas 7652
Denmark 40566*
France 31945*
India 80042
Indiana 23370
management 91005
54083* 62979*
Czechoslovakia 54206*
74025*
Denmark 23274*
Germany 76152*
East Germany
66762* 91159*
Hungary 3408*
40561* 71903*
Italy 45707* 80382*
Netherlands 31986*
Northern Ireland
85523
Peru 54421*
Southwest Africa
45456*
USSR 11738* 14989*
15004* 15033* 38817*
Sierra Leone 49352
Sweden 88564*
Switzerland 23301*
USSR 94425*
feed relationships 20338
72010 80374 19896*
22560* 23107* 23274*
45407* 45508* 62647*
80367*
feeding and nutrition 3538
11468 11475 13893
19695 19765 27599
27668 27690 27773
27854 36491 62648
62714 62757 62877
80111 3401* 19824*
19949* 21708* 27604*
36712* 45521* 45544*
45890* 54191* 54210*
71983* 72047* 80131*
80147* 91035*
Australia 54193 62694
Austria 27618* 80134*
Bulgaria 54209*
Costa Rica 51735
costs 74014*
Germany 36528*
72036*
Great Britain 66741
Netherlands 27594*
Yugoslavia 80152*
deficiencies 3344
11652 27651 36715
45466 46125 62897
62926 90815 27516*
27524* 27771* 45515*
62905* 71906* 71999*
80361* 90905*
Germany 54163*
Italy 80251*
New Zealand 72802
Norway 72003
Denmark 11469* 62672*
equipment 38719* 74025*
reviews 74013*
France 19757*
Germany 14789* 36488*
36498* 36528* 45526*
45540* 62651* 62807*
80148* 80179*
East Germany 19734*
36493* 36513* 45500*
62657* 80126* 80194*
Great Britain 19701
27701 36509
Hawaii 19722
Hungary 29885* 45497*
74019*
in pregnancy 62697
36486* 36496* 72031*
90885*
India 11516 19758
80041

Item

Cattle--Cont
feeding and nutrition--cont
Italy 27904* 45539*
labor
reviews 74013*
Latvia 36504*
Mexico 90953*
mountain areas 72073*
72104*
Netherlands 27594*
62643*
Nigeria 19745 72041
Norway 11500*
Pakistan 45606
Papua and New Guinea
45470
pasture and range 11652
19766 27756 45695
72010 80104 80198
80299 19719* 27655*
45515* 54233* 54285*
72035* 90929* 90946*
90954* 91037*
Angola 69604* 69605*
Australia 28448
Czechoslovakia 54206*
Florida 19072
Germany 72036*
80141*
East Germany
36502* 71986* 90889*
Great Britain 80125
80137
Hungary 27646*
45465* 47550*
Italy 80486*
Kenya 90923
Netherlands 27750
New York 19036
Nigeria 77956
Northern Ireland
89716
Oklahoma 19702
Poland 71337* 88692*
Republic of South
Africa 3389
Rhodesia and Nyasa-
land 54226
Scotland 43243
Sweden 19751*
Tropics 80191
USSR 54224* 62636*
Utah 43236
Wyoming 3356 79415
Yugoslavia 80152*
Poland 80195* 90945*
recent developments
3046 3056 62640*
research
statistical methods
3325 3396
restricted feeding 62737
Scotland 19698
seasonal 90996 27622*
54280* 80166* 80197*
90912*
Great Britain 80125
80137
India 90938
Latvia 54201*
Northern Ireland
89716
Republic of South
Africa 54162
Rhodesia and Nyasa-
land 54226
Sweden 36481*
South Dakota 3338
Spain 19707*
Surinam 71976*
Sweden 80123*
Switzerland 72015*
74932*
Turkey 45481*
USSR 11510* 19704*
27570* 27595* 27630*
27631* 27675* 36589*
45675* 54140* 54158*
54160* 54225* 56273*

Item

Cattle--Cont
feeding and nutrition--cont
USSR--cont
62646* 62673* 62696*
62705* 71997* 72023*
72065* 76109* 80140*
90510*
Washington 27678
Yugoslavia 11450*
11550* 11711* 36501*
36550* 62655* 88554*
fertility 3290 3312
11417 11440 19685
19939 27507 36424
36442 36460 45432
62550 62605 62631
62707 62708 71890
80058 80149 90506
90832 90836 3248*
11448* 19625* 19678*
27506* 27556* 27570*
27572* 36500* 36539*
45413* 45424* 45437*
45445* 54086* 54121*
54123* 54138* 54239*
54481* 62573* 62600*
62629* 62798* 62815*
62821* 71908* 71911*
71918* 71953* 71955*
71968* 72055* 80004*
80079* 80081* 80254*
80262* 90962* 91034*
fossil 54437*
France 19951*
genetics 3260 3265
3271 3272 3283
3303 3305 3487
11395 11406 11417
11428 11461 19623
19626 19627 19633
19638 19654 19829
28537 36388 36407
36445 36453 45454
54371 62541 62595
62649 71954 80057
90862 90873 90874
3241* 3261* 11398*
11409* 11451* 19949*
27503* 27505* 27520*
27575* 36455* 45730*
54138* 54493* 62551*
62624* 71899* 71901*
71940* 80079* 80426*
90824* 91164*
grading 14384
growth 3302 11699
27733 36453 45682
62641 91118 3261*
3543* 19646* 20681*
27578* 27870* 36401*
36504* 45431* 45622*
62633* 62752* 62753*
62839* 71987* 72233*
90947*
habits and behavior 3609
3635 11532 19702
19901 36633 36761
90921 90923 27908*
54210* 72085* 72109*
herd classification 11738*
14989*
herd size 19912*
herdbooks 80032 90811
11433* 11436* 27559*
27560* 90810*
Aberdeen Angus 3235
3247 11390 36381
36393 62597 79996
Australian Illawarra
Shorthorn 62530 90807
Ayrshire 19621 36435
Beef Shorthorn 19679
Brown Swiss 36435
Dairy Shorthorn 11445
19680 62617
Devon 80022
Dexter 54096
Dutch Friesian 11411*
62561*
German Simmental
36402*

Item

Cattle--Cont
herdbooks--cont
Groningen 19665
Guernsey 19641 36435
54082 90823
Hereford 19631
Highland (Scotland)
27531
Holstein-Friesian 3266
3267 11416 36415
36435 54103 62570
80037
Jersey 3270 27539
36435 45400
Kerry 45446
Lincoln Red 19659
Red Danish 71960*
71961*
Red Poll 80073
South and West Norwe-
gian 80061*
Sussex 3301
Welsh Black 19688
hereditary diseases 62764
27537* 27875*
history 54484 80499
54078* 54289* 54473*
Hawaii 11721
housing 38822 38828
3455* 11560* 21708*
27768* 27769* 27913*
36565* 54434* 62775*
74286*
Australia 13359
Austria 92957*
Belgium 14803* 64987*
construction 56280*
74287*
Czechoslovakia 19975*
92971*
designs and specifica-
tions 30041 5832*
56285* 74273*
equipment 30059* 47545*
Germany 5831* 5844*
38803* 47532* 56279*
80179* 80197* 92959*
East Germany 47563*
Great Britain 30040
47553 64989 92962
heating 38794
humidity 92968
Hungary 72085*
insulation 65005*
Italy 45707*
Norway 38805*
Ohio 3616
Orkney Islands 5839
reviews 13347*
sanitation 4541
62905 70919 74174
74303 83237 91002
91156 92977
Sweden 83244*
Switzerland 23107*
temperature 13350
13352* 45713* 71896*
74265* 74298* 80393*
83808*
USSR 38817* 47533*
47564* 56291* 71930*
ventilation 38830* 74289*
Yugoslavia 80152*
hybrids
USSR 27535* 27541*
27588*
hydrogen-ion concentration
36552
identification 19959
45711 45712 45715
45728 45732 54477
80301 91328 62975*
72281* 80222* 80503*
Canada 3786
Florida 3630
Germany 80331*
immunization 36691*
54919*
in folklore 93787*

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Item

Cattle--Cont
in music 39892*
industry
Denmark 93798*
Europe 39901*
France 19958* 54469*
Italy 62553*
occupational diseases 72183*
Yugoslavia 62971* 65970*
infectious diseases 45575 80457 91126 27838* 36703* 45621*
Africa 27742*
Italy 80221*
Michigan 19917
treatment 45315*
injuries 80341 11688* 72154* 90990*
foreign objects 3573 19921 36647* 36653* 54375* 54404*
treatment 19811 45836 19942* 62947*
judging 19649 36540* 72280* 72282* 90869*
labor 14789* 14803* 23107* 75456* 94231*
lactation 3374 3428 3446 3481 3554 3580 11534 11731 19730 19738 19920 19933 36472 45514 45550 45611 62694 62786 62926 62992 79794 80287 80502 91068 91105 91110 91135 91163 11555* 11682* 12209* 19647* 19783* 19946* 19966* 27772* 27800* 27852* 36616* 45406* 45730* 54117* 54157* 54361* 54408* 62762* 62862* 62896* 72248* 72255* 80068* 80207* 80329* 80492* 91012*
reviews 11577
leasing 80480*
litter 45722 81547 13353* 19975* 27913* 83808*
longevity 3239 54324 62779 54283* 62995* 71935* 72163* 80254* 80308* 90839*
reviews 36574*
losses 62721 3595* 36674* 63859* 80382* 80389*
marketing 39943* 45578* 66035* 84668*
directories 21824
meat production 62956 3600* 19896*
effects of age 84634* 90930*
effects of breeding 36390* 62627* 71938* 90810* 90849*
Albania 45411*
Denmark 90837*
France 71905*
Italy 62540* 62549* 62592*
USSR 19740* 27653*
effects of disease 90974 3341* 19872* 54287* 62831* 71831* 80209*
effects of feeding 3341 19740* 27629* 27653* 36390* 54243* 90930*
European Economic Community 36766*
Hungary 71921*
Italy 45718* 62607* 72257*
USSR 72260* 80513*

Item

Cattle--Cont
mechanization 13157* 64780* 92689*
Czechoslovakia 92963*
Poland 73968*
Switzerland 23107*
USSR 13411* 29851*
metabolism 3349 3428 3435 3542 3588 11700 27610 27687 27709 27760 27863 27864 36581 36715 45606 45660 54181 62747 62769 62897 62927 62946 72088 72150 91105 11510* 19822* 19894* 19945* 27604* 27642* 27780* 36589* 36624* 36627* 36716* 45505* 45614* 54152* 54166* 54197* 54329* 54351* 54436* 62762* 62845* 71998* 72063* 72109* 72205* 72232* 80244* 80288* 80321* 80454* 90956* 90958* 90965* 90967*
milk production 90965 12209* 27783* 27852* 45574* 54353*
effects of age 19972 54185* 62958* 80254*
effects of breeding 62547 11555* 27570* 36418* 45418* 45441* 71938* 80468* 90849* 91164*
Czechoslovakia 45439* 45440* 45452* 45453*
Denmark 90837*
India 11422
USSR 19642* 27548* 27578* 54138* 71899*
effects of disease 54367 54382 90974 62715* 62765* 62900* 71831* 72175* 80438* 83833* 91107*
reviews 36596*
effects of drugs 3490 11629* 36629*
effects of feeding 19753* 36418* 36486* 36660* 36757* 45492* 45614* 54243* 62673* 90905* 90912*
Germany
East Germany 90947*
Philippines 71990
USSR 3307* 27674* 54185* 54207* 72070* 80176*
effects of milking 36757* 54498* 62977* 62978*
France 45730*
Germany 45719* 45731*
Hungary 45714*
Pakistan 45426
reviews 91151*
seasonal 91082*
USSR 27912* 27931* 62963*
Yugoslavia 80068*
models 72124
mortality 27708 72100 3436* 62915*
mountain areas 85523 3248* 11674*
multiple births 3271 19972 62889 80071 91118 3593* 11413* 19650* 36539* 36732* 45413* 45445* 54315* 54416* 80225* 80426* 90919* 90930*
Nigeria 32143
ovulation 36595 62626 36732* 72148* 91011* 91012* 91034*

Item

Cattle--Cont
parasites 11559 36568 80376 36577* 54313*
Belgium 19804*
control 12421
Sicily 36584*
parturition 3420 3446 3561 3577 11460 11661 11693 19972 27777 45733 62547 80314 90995 11653* 19678* 19866* 19870* 19906* 27741* 27762* 27826* 27894* 36538* 36550* 36604* 36652* 36705* 36744* 45247* 54261* 54329* 62914* 72140* 72254* 90997* 91082* 91111* 91113*
pedigrees 3297 27574 36420 36438 54137* 71916* 72163* 72281* 90869*
Germany 11426* 80308*
East Germany 36409*
USSR 19686*
pest control 4472 4473 4476 4496 12387 12388 12424 12435 20647 28911 28914 37527 37541 37547 37610 46379 46380 46389 46417 55359 63804 63833 63838 63853 73134 73150 73162 81484 81543 81582 92023 92043 92046 90747 4483* 4540* 28827* 28856* 28885* 28928* 37553* 55256* 55329* 73164*
Arkansas 12378 12380 28877 81482
Australia 73133
biological 4458
Brazil 12406* 28906*
Canada 81567
Central America 91996
Connecticut 81573
equipment 20639 55369
Georgia 91997
Germany 28913* 46409*
East Germany 20679* 28893* 37593*
Hungary 20665*
Indiana 55289
Italy 4548* 81458*
Louisiana 55263
Montana 55334
Northern Ireland 12415
Ohio 81596
Pennsylvania 73169
tests 12391 12423 12435 28840
Texas 55272
USSR 4468* 28904* 37534* 37556* 55295* 55339* 63834* 63842* 63848* 81444* 81499* 81504* 81534* 92019* 92020* 92049*
Virginia 81602
Washington 63809
West Virginia 81481
Wisconsin 63822
pest resistance 12421 62595 81565
pests 28903 55285 63805 80376 81506 81547 81599 20681* 37558* 63801*
Australia 20613 81565
Belgium 19804*
Canada 63868 92003
Georgia 73138
Germany 92054*
India 37594
Indiana 37530
Kenya 92009

Item

Cattle--Cont
pests--cont
New Zealand 46386
Nigeria 81490
Northern Ireland 4543
Republic of South Africa 37604
Rwanda-Burundi 81456*
Sardinia 4470*
Tropics 90985*
USSR 20671* 63859* 64437* 64721* 64722* 81447*
poisoning 3445 3447 3470 3484 11557 11673 12111 12419 27688 27733 28457 28872 36533 36585 36610 37241 45695 46379 54419 62757 62758 62920 63833 72094 72133 80184 80227 80291 80448 90998 91017 3579* 4482* 11570* 11637* 11665* 11706* 19817* 27727* 27735* 27794* 27849* 36550* 36948* 45623* 45625* 45630* 54285* 55273* 62810* 72223* 72229* 72250* 72450* 80258* 91098* 91114*
Australia 27895
diagnosis 3427*
Finland 36731*
Italy 45659*
Netherlands 36689*
Northern Ireland 36726
Poland 55345* 91117*
Scotland 81063
Sweden 27766* 36553*
USSR 11614* 11616* 11662* 54334* 81447*
Poland 71967*
policies and programs 62577 22560* 57217* 93784*
polled 54097* 71947*
predators 62959
pregnancy 3466 3561 3569 11428 11485 19807 27668 27753 36710 45433 45566 45655 45656 62694 72121 79905 80298 80316 3465* 3574* 3575* 19632* 19798* 19923* 27603* 27804* 27848* 36456* 36547* 36652* 45573* 45657* 54157* 54359* 62731* 62732* 62762* 62785* 62931* 72005* 72031* 72129* 72207* 80332* 80361* 80396* 90885*
diagnosis 3420 11647 80223 90973 91132 11586* 11658* 11659* 27872* 80338* 80439* 91109*
prices 75455* 75456*
production regions 80498
records and testing 62996 54283* 91170*
Australia 3633 11736
Georgia 62962
Germany 11452* 36402* 71917* 80035*
East Germany 54481* 71916*
Italy 11396* 11399*
Netherlands 36433 3294* 3298* 11717*
Switzerland 72073*
Tasmania 80090
regulation and inspection
Germany 45636* 72137* 80331*
East Germany 27544*

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Item

Cattle--Cont
regulation and inspection--cont
Netherlands 72158 45694*
research
statistical methods 71940*
respiration 19819 36551 36552* 62569* 62589* 62769* 62799* 62801*
respiratory diseases 19895 80475 3583* 27689* 27884* 54434* 63139* 72097*
restraint 3609 3635 19897 80309 80500 11394* 13288* 47320* 54264* 54297* 56113* 62809* 80322* 80424*
sanitation 3628* 19854* 62765* 62940*
selection 19638 54101 71945* 80009* 80040*
Belgium 62544*
Colombia 19672* 27565* 36440* 71951*
Germany 11452* 62568*
Italy 27511* 90814*
USSR 80027*
shelters 13359 21707 38800 54247 64984 80504 21704*
situation and outlook 40752 57257* 75383* 84649*
slaughtering 36614 45626 19925* 27789* 27929* 45407* 54287* 62817* 80408*
Australia 3453 62961
Czechoslovakia 91009*
France 91090*
Germany 3491* 3493*
humane 14419* 62952*
Italy 62560* 62690* 62957* 66028* 66031* 90987*
Japan 27542
Northern Ireland 36726
statistics 45639* 93885*
statistics 48733
Germany 39943* 66095*
East Germany 27741*
Poland 93890*
Sweden 84768*
USSR 14431*
study and teaching 3255 19973
surgery 11618 19806 19838 19905 45409 45629 54400 62792 62799 62828 80317 80460 80471 91076 3501* 3547* 11569* 11571* 19792* 19799* 19851* 27798* 27843* 27873* 36448* 36532* 36577* 36605* 36741* 45562* 45568* 45594* 45620* 54264* 54281* 54447* 62947* 80371*
sweating 45547
temperature 11590 11601 11632 19819 19848 19941 27773 45698 62569 62589 72100 72150 80397 11551* 62771* 80243*
theft 36753
trade
Bulgaria 90834*
Germany
East Germany 71918*
Great Britain 23644
Hungary 72186*
India 67098
Ireland 7902
Netherlands 72158
Northern Ireland 7902
Pakistan 67098

Item

Cattle--Cont
trade--cont
Philippines 67098
Yugoslavia 11550* 54313*
transhumance 62955* 80486*
transportation 37371*
by air 84659
by truck 80243*
by water 84659
costs 22597 31273
Washington 66034
Tropics 62839
types 45729 62273 62769 62956 19655* 27783* 72177*
Austria 90859*
Congo 72264*
Ghana 54200
Italy 54260* 62607*
Portugal 54089*
Spain 54089*
USSR 54097* 62628*
Yugoslavia 80065*
virus diseases 19857 19873 19931 36640 54252 80342 80475 54303* 54377* 54392* 72230*
diagnosis 80477
Ethiopia 11649
Japan 11646
Republic of South Africa 62944
reviews 91028
Sudan 11649
watering 3409 45633* 54233*
costs 7663
equipment 21572 56112 13180* 47549* 74024* 83016*
weight and measurement 3553 11568 72177 19624* 27570* 27904* 62633* 72214*
SEE ALSO Beef cattle; Bulls; Calves and heifers; Dairy cattle; Dual-purpose cattle; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Cattle chutes 3609 3635 30044 45704* 47320* 54297*
Cattle grubs SEE Hypoderma
Cattle guards 47332
Cattleya
breeding 17454
culture 9734 17478 25730
hybrids 17516 25729 34770 69833
taxonomy 15819
Cattleya elongata 34770
Cattleya labiata 34770
Cattleya mossiae 43539
Caulacanthus rayssiae 32917*
Caulerpa 32931*
Cauliflower
anatomy and physiology 1292 33994 34081 33657* 51202* 68222* 77584*
biochemistry 34303* 34304*
breeding 17604* 34945*
cooling 39772
culture
Australia 1880
Belgium 34869*
Germany
East Germany 17561*
Mexico 34902*
Mississippi 52143
USSR 1841* 25807* 60868*

Item

Cauliflower--Cont
diseases 573 24155 86991 41956* 59190* 67978*
fertilizers 10302
genetics 24734
harvesting 75913*
irrigation 10414
morphology 59591
nutritional deficiencies 87498*
pest control 4653 92057 37617*
propagation 34898 78166
seeds 60868*
spraying and dusting 37617*
storage 14181 14172* 39750*
varieties 1840* 52145*
Caulophilus 82289
Caustic soda SEE Sodium hydroxide
Cavariella 64511*
Cave fauna 13073
Australia 38132
Central America 82096
Congo 21251* 82450*
Czechoslovakia 92667
Italy 21002* 29236* 38243*
Malaya 64393 64419 64443
Minorca 21003* 21100*
Nevada 29489
New Zealand 82849
North America 82126
Spain 29342*
Switzerland 29319 38243*
USSR 55654* 82094*
West Indies 82096
Cave flora 33471 42104 77003*
Cavernulia hultenii 50144
Caviar 31636*
Caviphantes n g 82180
Cavity spot
carrots 34056
Cavour C B Count di 23793* 32520*
Cawnpore National Sugar Institute 7244
Cawthron Institute 49875
Cayratia 23955*
CCAT SEE Conglutinating complement absorption test
CCC SEE (2-Chloroethyl) trimethylammonium chloride
CDAA 9878 17666 25892 60947 89277*
CDEC 1910 17641 17666 17806
CDED 9878
Ceanothus 942 44785 60760*
Ceanothus megacarpus 33945
Cecal worms 12009* 28337* 37106* 54813* 63276* 91500*
Cecidomyiidae
anatomy and physiology 5130 82373 92082 38215*
as pests 73222 73328 37626* 46649* 64401*
bibliographies 64404
collecting and preserving 92424*
control 63940
cytology 46947
Czechoslovakia 12899*
ecology 64410
El Salvador 38215*
Finland 29607
food and host plants 12900* 21162* 92458*
Great Britain 64107 92423
habits and behavior 5076 29433 55790*
Holarctic Region 38215*

Item

Cecidomyiidae--Cont
India 55815
larvae 21170 38238*
Nearctic Region 38215*
nomenclature 47116*
outbreaks 4757
rearing and breeding 21250 29444*
taxonomy 92423 21215* 38205*
USSR 21214*
Cecidophyes 46793
Cecidophyes ribis 12570 12591 12780 12792 73280 81748 81803
Cecidostiba 38376
Cecropia 13077
Cecropia moth SEE Hyalophora cecropia
Cecropia peltata 71417
Cecum 3900 63036 63148 91789*
Cedrela 86397*
Cedrela toona SEE Toona ciliata
Cedrus 33240 2850* 24550* 32638*
Cedrus atlantica 10769* 59502*
Cedrus deodara 2658 16296 59502*
Cedrus libani 92231*
Ceiba pentranda 75685*
Ceiling on Agricultural Holdings Act of 1961 (Andhra Pradesh India) 94551
Ceiriog Forestry Experimental Area 79142
Celaenorrhinus pahagensis 82759
Celanese SEE Rayon
Celbenin 91081
Celeriac 89228 1838*
Celerio euphorbiae 29701 64576 64588 64593 73802
Celerio galii 5360 5501 55952
Celerio intermedia 47131
Celerio lineata livornica 29085*
Celerio oxybaphi 47131
Celerio vespertilio 82701*
Celery
analysis and composition 65706 75106 22325*
anatomy and physiology 33868 33948 25004* 59825* 77566*
breeding 34908*
consumer preferences 84226
contamination 22325*
culture 17622 48355 60911*
diseases 48376
fungus diseases 86897*
industry 48355 56996 56998 84141 84226
marketing 48355 48376 56998 84141
nematodes 50560 8632*
packing 84141
pests 48376
research
regression analysis 56998
soils 78974 89753
storage 48376
varieties 33868 33948 43611
virus diseases 82513
weed control 43742
Celery oil 75582*
Celler Jahrbuch 27486*
Celloidin 55839
Cellophane 30256 93950 30610*
Cellophane tape 46
Cells 24662 33596
alfalfa 77788

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Item

Cells--Cont
algae 42671 24620*
Angiospermae 33729*
animals 3173 28648
36317 45314 51560
79945 12735* 46015*
62785* 72634*
Campanula persicifolia 34044*
Chamaecyparis obtusa 53731*
Chlorophyceae 24577*
conferences and congresses 58379
corn 42984*
Cryptomeria japonica 53731*
cucumbers 42210*
Euglena gracilis 42703*
Fagus sylvatica 11108*
fungi 68209 16354*
insects 16411 21464
29480 38074 47214
73658 73869 12735*
12860* 20937* 38199*
47020* 73874*
Nitella opaca 42778
onions 24657*
Oscillatoria limosa 33639*
peas 42989*
Pinguicula 24674*
Pinus 26855 53731*
plants 8879 16411 16531
16962 25195 42033
50669 50670 50694
50709 50710 50711
50756 50770 50790
50826 51098 51309
51360 51365 51560
59377 59663 68242
68407 68576 87267
88139 730* 16290*
16338* 16406* 24557*
24584* 24736* 25095*
33656* 33936* 42232*
43015* 59390* 59520*
59552* 59556* 59580*
60019* 60256* 68212*
68230* 68248* 68252*
68320* 68363* 68685*
69003* 75566* 77404*
77405* 77504* 87255*
87263* 87322* 87363*
87435* 87748*
reviews 824* 59427*
59531* 59794*
Populus 3002
Pteris vittata 77377
reviews 86127
Sequoia sempervirens 62225
sunflowers 68550* 88196*
Tradescantia fluminensis 34044*
wheat 42331 65929
yeasts 8975* 16354* 68675*
68759*
Cellulase 11349 16937
20931 65637 90720
Cellulose 39261
alkali 39459 71587
71581*
analysis and composition
36121 48190 56354
93518 13930* 56910*
90449*
chemistry 2992 2996
13986 14005 39459
45138 48140 53709
56350 62200 71587
84038 39058* 39503*
45134* 53712* 84023*
93522*
decomposition 6548
18076 26100 30233
44000 61199 78431
2149* 44059* 54265*
70361* 72862* 89561*
89562*

Item

Cellulose--Cont
determination 5928
5937 6512 14467
30865 93041
digestibility 11259 45293
3411* 80998*
hydrolysis 48245 31550*
45140* 65656*
in animal research 90725
in bark 36126
in cotton 48245 84018
84038 84124 93518
90456* 93522*
in feed 3843 4215
20155 28221 36170
37147 45198 45293
63425 81234 28612*
45208* 45213*
in fibers 30865 30836*
in flax 90456*
in grain 84476
in insect nutrition 64704*
82020*
in plants 16897 25015
48125 50294 51451
60290* 87727*
in radishes 48339*
in reeds 30771*
in sugarcane 40190
in wood 27186 11107*
19324* 27193* 45141*
62210* 79559* 90456*
irradiation 84038
moisture 48192
polymerization 36051*
90456*
processing 13937 30856
53706 27183* 39512*
53708* 53712* 71579*
90423*
products 66171 27183*
39058* 51867* 71579*
properties 36126 48192
62206 71580 27182*
30765* 53708* 90456*
90463* 90469*
structure 11034 22189
48220 30831* 45140*
65638* 90463*
reviews 11111
alpha-Cellulose 22845
Cellulose acetates 36062
71582 83772
Cellulose fibers 6574 39497*
analysis and composition
39546 48191
chemistry 27188 71528
79555 30799*
hydrolysis 6477 48282
Japan 65654*
moisture 6475 84131
processing 65597 71528
84072
properties 6475 6477
39479 30837*
quality 22225*
structure 6477 22192
39479 84072 22225*
30799* 39503*
tests 93490
textiles 6577 30824
93494 13954* 39581*
utilization 42462* 68540*
Cellulose isobutyrates 30856
Cellulose nitrates SEE Nitrocellulose
Cellypha 15859
Celmisia 69873
Celosia argentea cristata 42803*
Celosia cristata SEE Celosia argentea cristata
Celsia 41339
Celtis 29546* 90135*
Celtis australis 64370*
Celtis caucasica 71108* 82693*
Cement 82933*

Item

Cement dusts
effects on plants 35844*
94609*
fertilizers 18598 18600
70577*-70579*
insecticides 73287*
toxicity 11677*
Cenalox n g 46793
Cenangium abietis 67854*
Cenangium singulare 41794
Cenchrus ciliaris
breeding 1549
culture 2471 17194
88545
India 17189 43302
pest control 28956
planting 1553 69569
Cenchrus pauciflorus 52218
Census
agriculture 6097
13597—13607 21933
21934—21938 30327
30336—30339 31960
35538 39108 39109
40520 47832 56526
74557 83597 85805
92722 93173 93174
93191—93193 93891
30322*
Belgium 6068* 6070*
83573*
Brazil 7340*
Chile 30311* 30312*
Finland 93175*
France 49414*
Germany 32106* 48724*
49235* 49245* 58066*
94559*
Indonesia 21547
Iowa 21917
Iraq 56513
Italy 6092* 21919*
47812* 65264* 83575*
Japan 21918*
Kenya 74555
Malaya 13583 57454
83587 83588 84398
Missouri 13586 47827
Norway 39103* 57120*
57121*
Republic of South Africa 21925*
Surinam 56522*
Sweden 39096*
Taiwan 6100
Venezuela 6091*
forestry 21918*
horticulture 83573*
livestock
Austria 14430*
Czechoslovakia 93889*
Germany 39943* 39950*
Hungary 22643*
India 14435
Sweden 84768*
population
Thailand 15163 32138
40774 66881 85800
85801—85803
production
Great Britain 83581
Centaurea
Italy 35061*
Near East 41472*
taxonomy 50027 15728*
58613* 67432*
Turkey 41473*
Centaurea carthamoides 70154*
70159*
Centaurea jacea 87742*
Centaurea moschata 960
Centaurea repens 17717
Centaurea stoebe 88235
Centaurium 77460*
Centella asiatica 59602
Centenary and Bicentenary Congress of Biology 23714
Centennial Nutrition Conference 36167

Item

Centipeda minima 76922*
Centipedes SEE Chilopoda
Central and Southern Florida Flood Control District 18438
Central Bank for Cooperatives Washington D C 14698 85207
Centrale Organisatie voor Toegepast-Natuurwetenschappelikj Onderzoek SEE Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek
Centranthera 32803*
Centre d'Identification des Insectes Entomophages Geneva 4865* 4874*
Centre International des Engrais Chimiques 44509*
Centre Technique du Bois Paris 45126*
Div Exploitations Forestières 44921*
Div Scierie 44951*
Centres d'Etudes Techniques Agricoles 38644*
Centrifuges 1022 12873
16496 22017 22837
22879 29651 45353
55996 81836 93405
93425 93743 5746*
5794* 13421* 35113*
39393* 41259* 48056*
56576* 57365* 78369*
83078* 92866* 93401*
93413*
Centrinaspis picumnis 21131
Centris erythrotricha 82643*
Centris rufohirta 82643*
Centro di Sperimentazione Agricola e Forestale 36038
Centrocoris 82538
Centrocoris spiniger 38342
Centrodora 47076*
Centronopus 64383
Centrosema 59192
Centrosema pubescens 24691
Centrospermae 51470
Centrotus cornutus 73894
Ceoncophalus n g 21313*
Cephaelis 23936*
Cephalcia abietis 29615
21338*
Cephalcia arvensis 21338*
Cephalcia isshikii 73386*
Cephaleuros mycoidea 15921
Cephalins 84856*
Cephaloascus fragrans 86584
Cephalodiplosporium n g 271*
Cephalonomia stephanoderis 55875
Cephalophyllum 32738 67418
Cephalosporium 15855 50267
51279 269* 33343*
Cephalosporium gramineum 67887
Cephalosporium gregatum 15987
Cephalosporium mycophilum 50819
Cephalosporium zonatum 59040
Cephalotaxus 42575 71197*
Cephalotheca 58769
Cephalothecium roseum 51054*
Cephalotus follicularis 41402
Cephenemyia 28835
Cephenemyia apicata 82358
Cephenemyia stimulator 73143*
Cephenemyiinae 28835
Cephenomyia SEE Cephenemyia
Cepheoidea n superfam 29283
Cephidae 63910
Cephonodes hylas 21389
Cephus cinctus 4636 4651
55642 63910 82616
Cephus pygmaeus 12974

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Item

Ceracia mucronifera 46944*
Ceracia nomadacridis 92429
Cerambycidae 92383*
abnormalities 29378*
Africa 12809 21110 92360 92364 92376 46815* 92346* 92381* 92382* 92384*
anatomy and physiology 5012 29357 73648 82251 82273 92345*
as pests 64103*
France 64370*
Germany 46889*
Ghana 20908
Japan 55578*
Poland 4774* 92226*
Asia 92402*
Brazil 21160* 82351*
Cameroun 92379*
Central America 5013
Chile 46831*
China 92366
Chiricahua Mountains 12825
collections 46816* 46821* 82223*
Congo 92378*
control 29148*
Costa Rica 63989
Ethiopian Region 38088 46826*
food and host plants 82273 29329* 55741*
France 82313*
Gabon 92380*
geographic distribution 38125 21092* 46902*
Great Britain 4985
habits and behavior 5012 12808 29357 73648 38095* 82311* 92345*
Himalayas 12813*
Italy 21092*
Ivory Coast 92378*
Japan 92396 46902*
larvae 12808 29357 82269 38095* 64103* 73618*
Malagasy Republic 64342 29336*
Mexico 82263*
Nearctic Region 82249
Neotropical Region 64397 21159* 92419*
Nimba Mountains 82223*
North America 5012 5013 73648 82236 82293 82294
parasites 73575
Poland 38146*
pupae 64103*
rearing and breeding 21105
Scotland 12845 38145
Southeast Asia 55717
taxonomy 5014 38125 64342 82249 82273 82284 82293 82294 92360—92362 92393 5052* 73618* 82225* 82226* 82350* 92347* 92348*—92352* 92383* 92385* 92412*
Texas 4984 82284
Timor 4997
West Africa 92386*
Cerambycinae 4997 82294 82350*
Ceramica pisi 64677
Ceramidia butleri 92591
Cerapterus 64331*
Ceraspis 82262*
Cerastium arvense 73766
Cerastium biebersteini 17434*
Cerastium coronense 86501
Cerastium tomentosum 41848
Cerasus SEE Prunus
Ceratina japonica 12963*
Ceratinini 38393
Ceratiomyxa 50738 87357

Item

Ceratitis capitata
Angola 55496*
control 20835 20847 29060
Argentina 20817* 64023* 92147*
biological 92167 92177*
Brazil 29096*
Bulgaria 92150*
Central America 92142*
Israel 4700
Latin America 15511*
Nicaragua 92142*
Republic of South Africa 81783
tests 4677*
Yugoslavia 92183*
France 37730*
Italy 20839*
Lebanon 12578*
parasites 4673 28754* 92166*
Ceratitis rosa 20835
Ceratium hirundinella 32909
Ceratocombus coleoptratus 47045
Ceratocystis 308 1237 24227
Ceratocystis fagacearum 24363 33185 33192 50352 50997
Quercus 8507 16015 33210 33222 50273 50364 86831 86846 86849
Ceratocystis fimbriata 392 8410 8544 16070 41727 42178 58957 67795 77101*
Ceratocystis moniliformis 58923*
Ceratocystis paradoxa 50428
Ceratocystis ulmi 1051 15968 16054 24379 24380 33305 58967 77173 77187
Ceratokalotermes n g 21493
Ceratonia siliqua 43857 25984* 60037*
Ceratophyllus gallinae dilatus 37596*
Ceratopogon 55773*
Ceratopogonidae
anatomy and physiology 55781*
and disease 55301
Argentina 82364*
as parasites 55805*
as pollinators 12328* 73668*
Congo 64413*
control
reviews 37555
Estonia 21228* 29463*
Ethiopian Region 5079*
habits and behavior 64406 55805*
hosts 12893
Japan 46965
Neotropical Region 5123 82393 82394
North America 55828 64464
Palearctic Region 55773*
Philippines 21177
taxonomy 64460 5079* 38189* 55796* 64413*
USSR 21235* 38189* 64416* 64435* 64450* 82372* 92469*
Ceratopteris 15824
Ceratosolen 21352
Ceratostomella fimbriata 8466 41803
Ceratostomella ulmi 374
Ceratovacuna nekoashi 55870*
Ceratozetes 12756*
Ceratozetes cisalpinus 46808 82206
Ceratozetoidea n superfam 29283

Item

Cerbera thevetia SEE Thevetia nereifolia
Cerceris 55905
Cerchysiopsis n g 47088
Cercidiphyllum japonicum 67908
Cercocarpus ledifolius 16689
Cercomantispa 29802
Cerconota dimorpha 64603
Cercopidae 29529 82522 28995* 64481*
Cercopinae 82534*
Cercopis mactata 37715*
Cercopis sanguinea 64481*
Cercopoidea 37965
bibliographies 5246
Cercospora
India 286 77017
peanuts 24253*
sugar beets 24250* 67799* 69657* 77104* 88742*
sugarcane 16096
taxonomy 58806
Cercospora apii 77190 86897*
Cercospora arachidicola 33176 41827
Cercospora beticola 59013 77119 24231* 24367* 41740* 77193* 86833*
reviews 50276*
Cercospora bougainvilleae 373
Cercospora cladosporioides 86883*
Cercospora davisii 59003
Cercospora handelii 491*
Cercospora koepkei 50332 77113
Cercospora ligustrina 77093*
Cercospora musae 381 384 464 470 41839 50277 50394 77112
Cercospora personata SEE Mycosphaerella berkeleyii
Cercospora rubrotincta 50343
Cercospora thujina 33224 33321
Cercosporella 67583*
Cercosporella herpotrichoides 50297* 58959*
grain 33182* 59034*
wheat 375* 15967* 57148*
Cercosporella indica 50142
Cercyon laminatus 29358* 64377*
Cereals Deficiency Payments Scheme (Gt Brit) 66610
Cereals Yearbook 14219*
Cerebrospinal fluid 3109 53957
cattle 45486 80108 80109 80163
swine 55113
Cerebrospinal nematodiasis 53957 54957
Cerelose SEE D-Glucose
Cereus giganteus 8991 41936 60027
Cereus horridus SEE Acanthocereus horridus
Cerinomyces 41565*
Cerioides 55818
Cerium 21846 16871* 68947* 89520* 91251*
Cerococcus catenarius 28988*
Cerodontha 55822*
Ceropegia 41360
Ceropegia de-vecchii 41360
Ceroplastes 21277
Ceroplastes brevicauda 73276
Ceroplastes sinensis 29070*
Ceroplastodes guilliermondi 38319
Cerothrips n g 56013
Cerumen 3664 20039 91182
Cerura vinula 5336*
Ceryloninae 73591

Item

Cesarean section
cats 28060
cattle 27755 27823 91067 3418* 11680* 11684* 19830* 27818* 36352* 36538* 36557* 36744* 54260* 54358* 62767* 62873* 72201* 80359*
chinchillas 54587
dogs 72350 3675*
goats 20358* 20410* 20421*
horses 54631 80628 3768* 20095* 28099* 28108* 36914* 80634* 91326*
sheep 20358* 20410* 54956*
swine 91848*
Cesium 93054
in animal physiology 36250 60288
in dairy products 65401
in food 93054
in meat 31313
in milk 56711
in plants 42639 51372 51404 60212 60288 9024* 16619* 16810* 16811* 53781* 68947*
in sheep physiology 81085
in soils 51404 9024* 16619* 52462* 61176* 89520*
Cesium chloride 45353
Ceskoslovenská Akademie Zémédélskych Ved
Výzkumný Ústav Vcelastva 73454*
Výzkumný Ústav Zelinárśky 69988*
Ceskoslovenske Botanicke Spolecnosti 76858* 76872*
Cestodes SEE Tapeworms
Cestrum auriculatum 25193*
Cestrum parqui 43019
Cestrum strigillatum 69866*
Ceterach officinarum 86524*
Cetoniidae SEE Scarabaeidae
Cetoniinae 38103* 73635*
Cetoniini 73629*
Cetraria tenuifolia 77010*
Cetyl compounds 65633 81363
Ceuthophilus guttulosus 73864
Ceuthorrhynchus SEE Ceutorhynchus
Ceutorhynchus 46476* 82274*
Ceutorhynchus assimilis 12524 29330 37622*
Ceutorhynchus chalybaeus 5007
Ceutorhynchus fairmairei 82604*
Ceutorhynchus napi 81666*
Ceutorhynchus pleurostigma 29330 20719* 37617* 46517*
Ceutorhynchus quadridens 4667 38249
Ceutorhynchus syrites 20765*
Ceylon Agricultural and Industrial Credit Corporation 31709
Ceylon Chamber of Commerce 65054
Ceylon Dept of Agriculture 76651
Ceylon Tea Control Dept 6114
Ceylon Tea Propaganda Board 6115
Ceylon Year Book 66514
Chabert P 53978*
Chabertia ovina 20354*
Chaenomeles japonica 43509* 89044*
Chaenomeles maulei SEE Chaenomeles japonica
Chaetanaphothrips 82894

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Item

Chaetanaphothrips clarus 82894
Chaetanophothrips orchidii 29089
Chaetoceros 228* 16356*
Chaetoceros abnormis 226*
Chaetoceros ceratosporus 8278*
Chaetoceros galvestonensis 58756
Chaetoceros karianus 225*
Chaetoceros lauderi 68877*
Chaetoceros rigidus 8278*
Chaetoceros septentrionalis 225*
Chaetocladium 285
Chaetoclusiella n g 64457
Chaetocnema 55717 73187* 82215*
Chaetocnema aerosa 73610
Chaetocnema aridula 28969*
Chaetocnema tibialis 28976*
Chaetoczernyola n g 64457
Chaetogonophora SEE Cinadus (Chaetogonophora)
Chaetolepis 32872
Chaetomiaceae 68408
Chaetomidium 248
Chaetomitrium 8268
Chaetomium 77018 8310*
Chaetomium carinthiacum 33009*
Chaetomium globosum 8934 42192*
Chaetomium megalocarpum 42192*
Chaetomium murorum 42192*
Chaetomonodorus n g 67579*
Chaetomorpha 8723
Chaetophoma 58780* 86550*
Chaetophyllopsis n g 67550
Chaetopleurosphora 82360
Chaetoporellus simani 24096*
Chaetopterygopsis 21479*
Chaetospermum camelliae 32938
Chaetotaxy 21410 38056 38239 46932 73715 92484 46785* 82865*
Chaff 5770* 19403* 80207* 83269*
Chaff scale SEE Parlatoria pergandii
Chagas' disease
  Alabama 12402
  control 20675*
  transmission 28922* 37564* 37565*
  Venezuela 55319*
Chagasia bathana 82493*
Chain Store Age Grocer's Manual 83453
Chainia 67612*
Chains
  in brush control 69529
Chaitophorus 38344* 73375*
Chalastrogastra SEE Symphyta
Chalcedectus guaraniticus 47068
Chalcedectus sinaiticus 47068
Chalcidae SEE Chalcididae
Chalcididae
  anatomy and physiology 55879 82373
  Brazil 82614*
  China 29592 47083
  genetics 92535
  habits and behavior 12950 64567*
  Japan 47082
  Palearctic Region 47070
  rearing and breeding 20917*
  taxonomy 47067 47115*
Chalcidoidea
  Africa 21339
  anatomy and physiology 29609 64572 47090*
  Argentina 21339 82641* 82642*

Item

Chalcidoidea--Cont
  as parasites 4683 5272 5143* 5302* 5334*
  Brazil 29606*
  Europe 47071*
  Great Britain 5271 64532
  habits and behavior 21324
  hosts 92563*
  Hungary 64386*
  India 12954 47107
  Japan 92563*
  Morocco 82594*
  Near East 47068 47069*
  nomenclature 38398 47068
  Poland 12976*
  Rumania 92562*
  taxonomy 5281 21324 47088 12967* 47066*
Chalcones 7109
Chalcoplacis 82215*
Chalcopteryx 13090
Chalepus marginiventris 12849*
Chalicodoma 55897
Chalicodoma (Callomegachile) n sgen 55897
Chalicodoma (Chalicodomoides) n sgen 55897
Chalicodoma (Chelostomoda) n sgen 55897
Chalicodomoides SEE Chalicodoma (Chalicodomoides)
Chalioides stenocyttara 29643*
Chamaebuxus alpestris 32826*
Chamaecyparis 17550 79311 494* 52022*
Chamaecyparis lawsoniana 45117 79215* 87274*
Chamaecyparis obtusa 53412 53567* 53583* 53731* 53732* 53734* 79326*
Chamaecyparis pisifera 33642
Chamaecyparis thyoides 8192
Chamaemyiidae 64459* 92474*
Chamaenerion SEE Epilobium
Chamaepeuce SEE Cirsium
Chamaephytes 77645
Chamaerops humilis 16316*
Chamberlain F P 58431
Chambers of agriculture
  Australia 40880
  Austria 15279*
  Germany 49480* 66811*
  Mauritius 15238
Champagne 74599*
  fermentation 65312* 65313*
  manufacture 6167* 30370* 30390* 39202* 56551* 74573* 74609* 83609* 83689*
  quality 13647
Champiaceae 77360*
Chamula n g 38417
Chanbria 82177
Chaoboridae 82377
Chaoborinae 38272*
Chaoborus astictopus 20610 55776
Chaoborus nyblaei 38272*
Chaparral 2679 8690 10403 35277 44486 52292 88649
Chapeaurouge A de 15530*
Chaptalia 8199
Chara australis 1087 9222
Chara benthami 77378*
Chara braunii 34094
Chara vulgaris 59429*
Characeae
  anatomy and physiology 8902*
  biochemistry 9222 34246
  cytology 16330* 33636* 77378*
  ecology 50580
  taxonomy 50100
Charaeas graminis 82747

Item

Charaxes 73851 82792
Charaxes jasius 47154* 47167*
Charaxes kulal 82802
Charaxidinae 5484
Charcoal
  bibliographies 90432
  chemistry 45086* 53667*
  industry 2943*
  kilns 79578
  manufacture 2948 27143
  marketing 2948
  properties 45086* 53667* 71535*
  utilization 62169* 79254*
  SEE ALSO Activated charcoal
Chariea lepesmei 92412*
Charliesthes 92347*
Charlock SEE Brassica kaber
Charophyceae
  abnormalities 42217*
  ecology 33480*
  Europe 33636*
  India 212 67572
  Japan 67571*
  North Africa 33636*
Chassigneux A 94906*
Chattahoochee National Forest 19134
Chauliognathidae n fam 38131
Chauliognathus 46909*
Chauliops fallax 37691*
Chaulmoogra oil 7059
Chaunoproctidae n fam 29283
Chayote 60876 69962*
Chazara briseis 29629*
Check
  Picea sitchensis 79245
Cheese
  adulteration 30590*
  advertising 74793 74797* 76526*
  analysis and composition 22016 56668 74747 83744 6204* 6254* 6366* 13739* 30530* 30533* 47912* 56648* 56662* 65387* 65427* 74736* 74753* 83754* 83756* 83783* 83793* 83917* 93303* 93314*
  bacteria 6235 13744 30595 39270 6205* 13763* 13839* 56738* 83762* 83798* 83801* 83856*
  Blue 93306*
  Bryndza SEE Liptauer
  Camembert 48099* 56648* 83907* 93410*
  canned 93354
  Cedara 93275
  Cheddar
    analysis and composition 13870 39287 65402 65420
    bacteria 56647
    chemistry 6372 47927
    consumer preferences 13772
    defects 74861
    flavor and odor 13865 13870 47927
    reviews 13802
    grading and standardization 22061
    manufacture 6351 6372 13841 13853 30665 56746 65503 65505 83912 93397 39373* 93418*
    proteins 65505
    quality 56746
    starters 13865 13870 65505
  chemistry 47927 65426 83917* 93313*

Item

Cheese--Cont
  coatings 6353 13833* 30611* 65483* 74862* 93379*
  conferences and congresses 74673
  consumer preferences 83840
  consumption 22039* 39379*
  containers 39370 48023*
  contamination 65461* 65467* 83879*
  Cooked 48105* 48106*
  cookery 58350
  Cottage
    advertising 74793
    analysis and composition 56634
    bacteria 6236 22091
    Canada 39386*
    containers 6335
    keeping quality 6216
    manufacture 22091 48087 48089 74866 74850* 93391* 93393*
    marketing 22044 39311
    packing 6329
    processing 30645 56795
    tests 6216
  cream for 6365*
  curing 6383* 6391* 13866* 22100* 39286* 74862* 74863* 83756* 93410*
    Bulgaria 83762*
    equipment 56780
    history 6369*
    USSR 56772*
  Dagano 22002
  defects 74705 93364 30582* 30588* 39329* 39341* 39346* 39704* 65487* 83858* 83866*
  dictionaries 39245*
  Dutch 47981*
  Edam 22015 39258 6359* 39367* 83911*
  Emmental 65490*
    analysis and composition 30527* 30528*
    bacteria 48091*
    flavor and odor 48069*
    manufacture 22022* 22023* 56808*
    packing 22076* 30609*
    quality 48082*
    Switzerland 47888*
  enzymes 65426 83744 56659*
  fat 6249* 47949* 83783*
  flavor and odor 39258 47927 47995 74705 83845
  flavoring 13772
  Fontainebleau 83726*
  freezing 93403*
  Gervais 74835*
  Gorgonzola 39704*
  Gouda 39402* 48098* 56798* 83911*
    manufacture 30667 6359* 13864* 30666*
  grading and standardization 6286* 13798* 39335* 83856* 83857*
  Grana 6205* 39242* 54165* 83800* 83886*
  Greece 30523*
  Gruyère 30588*
  history 30643* 30644* 39240* 39242*
  homogenized 48062*
  hydrogen-ion concentration 22024
  industry
    Brazil 22009*

*Text of this reference is not in English.

Item

Cheese--Cont
industry--cont
Germany 48108*
Italy 27501*
Netherlands 49052*
Republic of South Africa 6200 6398
sanitation 48041*
USSR 39243* 56623*
ingredients 6353 65387*
irradiated 93407*
judging 83845
Kasar 83858*
Kaskaval 83866* 93428* 93431* 93432*
Katschkawalj 93416*
labeling 65441*
Leicester 13850*
Limburger 56632
Liptauer 93439*
losses 13864* 93392*
manufacture 13860 13867 22108 39370 39377 56805 65526 93411 93430 6362* 6366* 6378* 13850* 13866* 22100* 22104* 30682* 39388* 83911 93387*
Australia 93397 39373*
Austria 30611* 30635* 30637* 30638*
British Commonwealth 30661
Bulgaria 48048*
Czechoslovakia 6383*
Denmark 6377* 39369* 48084*
equipment 13841 39359 65538 30662* 30666* 39394* 48050* 48069* 74852* 93387*
France 39379* 56792*
Germany 30643* 30644* 39371* 48050* 48105* 48106* 65508*
Great Britain 74886
Italy 13847* 22103* 48088* 74852* 83886* 83699* 83944* 93388* 93412*
Netherlands 13875 30667 22105* 39394*
Norway 39402* 48098* 56798*
reviews 39374*
Rumania 39401* 93392* 93428* 93431* 93432*
study and teaching 6397*
Sweden 13789*
Switzerland 6347* 13877*
USSR 83879* 83902* 83916* 83937* 93422*
Yugoslavia 93385* 93439*
marketing 83840 39388*
Denmark 65485*
Germany 13782* 39326*
Indiana 93345
Netherlands 13875
Norway 39319*
statistics 83821* 83822*
Switzerland 6307*
microorganisms 93304 83879* 93386*
milk for 6200 13867 22106 47996 56748 93364 22022* 22023* 30671* 39385* 48033* 48082* 54165* 56718* 56773* 56802* 65525* 65536* 65539* 74736* 74883* 74884* 83800* 83917* 83936* 90917* 93427*
Australia 56716
Austria 30636*
Germany 30505*
Spain 46154*

Cheese--Cont
moisture 30665 6249* 56669*
molds 13839* 30523* 93407*
Mozzarella 83782*
Munster 74685*
Niva 6365* 6366*
nutritive value 58350 49650* 93303*
packed 56648* 65484*
packing 48025 56805 93411 93430 6326* 30615* 39341* 39346* 65441* 65487* 74835* 74842* 74863* 83872* 83873*
Austria 30610*
Denmark 65485*
Netherlands 65490*
Switzerland 22076*
Parmesan 48033*
Parmigiano 48088*
pasteurized milk 65420
Pecorino Romano 6254*
pests 4950
policies and programs 39243*
Pont l'Evêque 65380*
prices 6342* 22081* 22082* 30622* 65441*
Process 39370
analysis and composition 6235
bacteria 22024 13724*
flavoring 48061*
Germany 48108*
history 48034* 48068*
industry 48078*
labeling 74816*
manufacture 6377* 13857* 13859* 13863* 48041* 48058* 48060* 48062* 48074* 48077* 48092*
properties 65426
Rumania 39383*
spoilage 93354 13724*
processing 13856* 65531* 93424*
products 13823
properties 6235
proteins 6249* 6391* 83907*
quality 30665 6366* 56802* 93386*
Denmark 39369*
Sweden 13789* 74826*
Switzerland 6307*
USSR 19733*
Quartirolo 83756*
Reggiano 48088*
regulation and inspection 13808* 30590* 30599* 65467* 83844*
Ricotta 65427*
rind 13864* 30615* 39341* 39346* 48023* 65487* 83879*
rindless 22108 30661 39359 56805 39388*
ripening 65541
Romadur 56648*
Roquefort 56793*
Roquefort-type 22104* 22105* 30595*
salting 65531* 93416*
Sapsago 13877*
situation and outlook
Austria 56602*
Canada 47886*
Denmark 30622*
Germany 30490* 74679*
Switzerland 6192*
smoked 13772
spoilage 30595
stabilizers 56795
Stangenkäse 30610* 30611* 65483* 74862*

Cheese--Cont
starters 22106 39407 48090 48107 56758 74861 6359* 39353* 39399* 48095* 56808* 56809* 56738* 83902* 93386*
statistics 30688 30693* 48116*
storage 93411 93430 13839* 13864* 22100*
Swiss 39270 93345 13866* 22111* 30671* 39385*
taxation 49052*
Teleme 39401* 93392*
tests 74705 93304 39286* 74724* 83856*
Tilsiter 74863*
trade
Denmark 32373* 76522*
Finland 49605
Germany 76522* 85993*
Italy 76526*
Trappist 13852*
types 6378* 22104* 93313*
Australia 83727
Austria 65484* 65509*
Brazil 39247*
Bulgaria 83762*
France 74685*
Germany 13798* 48050* 83857*
Italy 6254* 83899*
Netherlands 22105*
Republic of South Africa 93275
Spain 83726*
USSR 83916* 93303* 93424*
Yugoslavia 83798* 93263*
vitamins 86088 22100* 32472*
reviews 49728*
weight and measurement 65441*

Cheilosia 92434*
Cheimatobia brumata SEE Operophtera brumata
Cheiracanthium 82201
Cheiridopsis 32738
Cheironitis 46829*
Cheironitis furcifer 46830*
Cheironitis irroratus 46830*
Chelated calcium 42695*
Chelated iron
effects on plants 1272 16826 33857 33947 50951 59145 51160* 69007* 87663*
in plants 25147 25243
Chelates
effects on plants 10173 24566 42531 50979 68729 68881 77651 87613 87684 87965 68943* 77659*
bibliographies 995
Chelating agents
effects on plant disease 77140
effects on plants 1098 51010
fertilizers 61643
in soils 18005 78338*
in sugar manufacture 14612
Chelerythrine 51556
Cheletacarus n g 55706*
Cheletomimus 29327
Cheleutoptera SEE Phasmatodea
Chelicerata 82184*
Chelidonium majus 62915*
Chelidura pyrenaica 21475*
Chelifer cancroides 64300*
Chelisoches flavipennis 64735
Chelonella 73791*

Chelonethida
Afghanistan 82116*
Andes 92317*
Azores 38058*
Canary Islands 38058*
Colorado 21053
Czechoslovakia 82202*
India 4943
Madeira 38058*
North America 82126
taxonomy 29311 82126
USSR 38040*
Chelonus 73791*
Chelonus muesebecki 64553
Chelonus narayani 38396
Chelonus striatigena 73306
Chelostomoda SEE Chalicodoma (Chelostomoda)
Chelyabinsk Plodoovoshchnaya Opytnaya Stantsiya 88820*
Chemical Finishing Conference 56891 84014
Chemical Specialties Manufacturers Association 4332 41122
Insecticide Div 73070
Chemical warfare 3154 19495 30243 38989 46327*
Chemicals 23724 41097 67146
associations 23735
Canada 86110
determination 65185 65186
directories 32486 64769
effects on animals 19565 59711* 71731*
effects on insects 4464 4709 12344 21452 21464 38252 55321 81363 81603 37938* 64448*
effects on plant disease 67868 41685* 42000*
effects on plants 9086 9182 16874 24860 25157 33764 34022 34127 34224 42341 42591 42902 51385 59525 59711 77664 87744 24145* 24728* 24747* 41613* 42781* 77419* 77423*
bibliographies 42339*
effects on seeds 42884
effects on soils 35110
effects on ticks 81533
effects on wood 71439*
Great Britain 94862
hazards and safeguards 22393 23762 58360 311* 23748*
in feed 39418 65552
in feed processing 30697 36160* 36173* 36204* 36209* 36210* 62277* 71654*
in fiber processing 48232 65150
in food 6004 6008 13494 13523 21793 30225 30230 30241 30250 38983 39001 39010 39056 47727 47730 48405 65150 83474 83478 30129* 65155* 65171* 65175* 83449* 83489*
conferences and congresses 83484*
in food processing 5990 6045 13523 14180 22614 31638 38917 39056 65077 31100* 65151* 65175* 74532* 74536* 83535*
conferences and congresses 65098

*Text of this reference is not in English.

Item

Chemicals--Cont
in forestry 29146
in sugar processing 40190
industry 41111 76659
Japan 41110*
marketing 86104 86145
Norway 76675*
packing 86145
properties 7979
regulation and inspection 7978 78449 94848
situation and outlook 67162
Sweden 32511* 94863*
trade 58363
USSR 76679*
Chemistry
and agriculture 67163 7986* 33098* 76679* 89945* 94838*
associations 47674
conferences and congresses 32497 76686*
Japan 41138*
research
statistical methods 38896
reviews 23760
study and teaching 49768 7986*
Switzerland 76692*
Chemotherapy 3102 11254 36252 11339* 27801* 53824* 53930*
Apis mellifera 64135
cattle 45549 27805* 62882*
reviews 20384
dogs 28004 54540 72290
poultry 72664 91500*
quail 46019
reviews 62881*
ruminants 11261
sheep
reviews 20384
swine 4262
Chemotropism 52607*
Chemurgy 5958 30157 31554 47677 47681 48345 56363 65103 93055 5959* 30148* 30154* 74439*
conferences and congresses 30156
Chenopodiaceae 723 1989 15748* 32723*
Chenopodium 50471
Chenopodium album 35073
anatomy and physiology 25054*
control 43780
cytology 23899 68232
morphology 754
taxonomy 32756
Chenopodium amaranticolor 1269 77726
Chenopodium giganteum 24401
Chenopodium murale 535
Chenot M 36909*
Cherelle wilt
cacao 9085 16360
Cherimoya 78042*
Chermes 29141* 47041* 55575* 92505*
Chermes abietis 81911*
Chermes laricis 46650* 46656*
Chermes merkeri 29525*
Chermes nüsslini 12644* 29525*
Chermes piceae 29545 37801 37820
France 81879*
North Carolina 46988
predators 46781 46990 81871
Chermes prelli 29525*
Chermes viridis 46656*
Chermidae 5220 64482 29525* 47041*

Item

Chernozem soils 52395 89570 17942* 61216*
Bulgaria 89470*
Germany 44025*
Hungary 70495*
Rumania 60602*
USSR 17888 17903 17908 18129 35238 61311 89605 2101* 2107* 2365* 2451* 9998* 10205* 14813* 17877* 17890* 17900* 18373* 26343* 35347* 35442* 43979* 51883* 52635* 52907* 53425* 61234* 61449* 70435* 89538* 89769* 89809* 89813* 89814* 94586*
Yugoslavia 61389 26034* 89559*
Cherries
analysis and composition 56981
anatomy and physiology 34115 87063 9017* 16539* 42467* 42727* 51148* 51295* 59513* 68716* 68790* 77649* 87536*
breeding 43406 25625* 25628*
brined 56981
canned 30937
color 30958
containers 14077*
cookery 32421
cooperatives 39672
culture 1697
Germany 17333* 17334*
East Germany 60688*
Montana 60689
Sweden 1704*
defects 30958
diseases 24156 50168 50252
fertilizers 1697 10289 35203
for canning 75219*
for processing 39713 93655*
freezing 31028*
fruit-set 9191*
fungus diseases 8477*
control 16049 77117 41917*
India 50343
Italy 33157*
Switzerland 8528*
hardiness 24787*
harvesting 21618 25606 64891 74116 9623*
hybrids 33767 25616* 25625* 25628*
industry 6623 39607*
injuries 86636*
labor 94257*
marketing 48368* 48372*
morphology 33710 42187* 87239* 87268*
packing 39723
pest control
Colorado 50168
France 46537*
Germany 8360* 46571* 46588* 81472*
Poland 46563* 92194*
Wisconsin 50252
pests 37717 8477* 37755*
pollen 87016 88900
pollination 25630*
processing 30937 48067
propagation
by cuttings 9017* 17362* 51148* 68790*
by grafting and budding 43396* 43409*
pruning 17358* 42467* 60685*
Great Britain 9617

Item

Cherries--Cont
pruning--cont
New York 25606
Virginia 17336
quality 17388 30937 39713
rootstocks 68019 17331* 17335* 17341* 25633*
directories 17338
Oregon 34644 34654 88910
Sweden 1704*
USSR 1700* 43408*
situation and outlook 30897
soilless culture 51148*
soils 10289 35303 44295*
spraying and dusting 58879 67714 46563*
statistics 84399
storage 6717
trade
Yugoslavia 6623
utilization 56766 74867 84399
varieties 39713 69746 93655*
Australia 88900
Bulgaria 87536*
Czechoslovakia 43406
France 43420*
Germany 17353*
Korea 77649*
Latvia 88923*
North America 17338
Oregon 9638 25634
Rumania 51929*
USSR 24787* 25630* 43418* 75219*
virus diseases 548 8584 8585 33384 67340 68014 68019 77215 87009 87063 33368*
Australia 87010
California 87057
Canada 590 41989
control 591
Czechoslovakia 87000*
Hungary 87053*
Italy 33383* 87023*
Montana 41960
Netherlands 87062
Oregon 34644
transmission 87016
yields 87063 9623* 42727* 51929*
Cherry juice 57110 30957*
Cherrybark oak SEE Quercus falcata pagodaefolia
Chersodromia 38223
Chersotis 47137*
Chersotis hellenica 82678*
Chesneya 15718*
Chestnut (tree) SEE Castanea
Chestnut oak SEE Quercus muehlenbergii
Chestnut soils 35143 61293 2099* 2218* 70421* 78572* 87854* 90256* 92218*
Chestnuts 22383 22299* 38449*
Chevon 6969*
Cheyletidae 29327 55706*
Cheyletiella parasitovorax 4517
Chianese L 94881*
Chiarugi A 15554 873* 32546* 67190* 86193*
Chicago Board of Trade 57137
Chicago Mercantile Exchange 31423 65116
Chick edema disease SEE Toxic fat disease
Chick embryos
abnormalities 3905 45985 63315 72611 72668 20240* 54784* 72639*

Item

Chick embryos--Cont
anatomy and physiology 3887 3890 3911 3941 3951 11926 20195 20201 20275 28227 28250 28293 28306 37006 37022 37048 37079 37085 45973 46042 63263 63270 72618 80705 80790 80809 80838 80856 80862 80866 91487 91507 3901* 3956* 11995* 28282* 37070* 45949* 45961* 45975* 45976* 45996* 46073* 54830* 63275* 72633* 72640* 72650* 72651* 80794* 80853* 80861* 91520*
study and teaching 72748
culture media 3931 20183 37912 45372 54843 4247* 11348* 27307* 27365* 28262* 37098* 45831*
cytology 3920 45372 45991 46042 11952*
disease resistance 91489 63311*
diseases 20255 28250 28330 3901* 11965* 63384*
control 72612 63352*
growth 12017* 91601*
infectious diseases 20228 37069 37097 45997 54822 54823 80894*
mortality 20255 20259 63342 72635
poisoning 28283 91524
Chicken-embryo-lethal-orphan virus 20203
Chicken fat 22751
Chicken mite SEE Dermanyssus gallinae
Chickens SEE Chicks; Cocks; Poultry
Chickpea flour 47664 67133
Chickpeas
anatomy and physiology 1224 34145 34146 42491 42747 87696* 87697*
color 84194*
culture 34914* 60918*
cytology 77388
fungus diseases 33180
germination 87827
proteins 84194*
seeds 42747
statistics 31072 39787 65894 65950
varieties 25846*
Chicks
abnormalities 11934 12011 72611 81993*
anatomy and physiology 3918 3932 3938 11977 11978 11984 11990 12000 12004 20150 20165 20211 20216 20263 28234 28247 28294 28350 37010 37011 37032 37085 45849 45968 45994 46006 46023 54753 54774 54797 72614 72646 91449 91517 91518 91546 28269* 28295* 54784* 54804* 54820* 54836* 63283* 91520* 91537*
care 12038 46027 72717 80723 80865 80925 92738 54850* 54853* 63211* 72733* 72739* 80926*
culture media 46007

*Text of this reference is not in English.

Item

Chicks--Cont
deficiency diseases 20207 20260 20276 28352 63323 72628 80849*
degenerative diseases 28473 45989 72526
disease resistance 63302 72522 72663 20188*
diseases 36952 45951 54762 80874 3956* 54743* 72696* 80855* 81536* 91476*
feeding and nutrition 3843 3846 3851 3861 3862 3865 3866 3882 3884 3928 3938 11899 11901 11902 11905 11907 11908 11909 11916 11920 11921 11923 11925 20144 20145 20150 20165 20179 20180 20181 20224 28188 28197 28199 28210 28213 28214 28234 28925 36975 36976 36982 36988 36994 37049 37101 45849 45898 45900 45901 45906 45910 45912 45916 45920 45922 45929 45936 45938 45939 45943 45951 45989 46001 46023 54705 54709 54714 54716 54734 54735 54829 63223 63246 63247 63305 72481 72493 72501 72507 72522 72526 72528 72536 72548 72566—72569 72578 72582 72591 72657 80737 80739 80753 80763 80764 80767 80768 80769 80781 80873 91382 91395 91404 91408 91416 91419 91429 91430 91445 91449 91453 91454 91467 91559 91817 3876* 11911* 28186* 28188* 28295* 36977* 45899* 45911* 45918* 45919* 54804* 63224* 63230* 63257* 72554* 72583* 72584* 80778* 91393*
Bulgaria 72494*
costs 28208*
deficiencies 3918 11877 28206 63323 72565 72619 72513*
Germany
East Germany 63237*
Hawaii 72559
Hungary 45944*
Ireland 91438
Poland 91407*
reviews 45932
Rumania 72543*
USSR 11876* 20171* 63255* 72537* 72541* 80754*
Yugoslavia 72550*
growth 11902 28213 28227 36982 45938 45951 54716 54734 63247 72501 72528 72533 72578 72582 72620 72657 80753 80767 80768 80781 80873 91382 91385 91429 91445 3876* 11876* 28186* 36977* 54824* 72494* 72550 80824* 91493*
habits and behavior 3975 3995 4008 46063

Item

Chicks--Cont
immunization 63299 80883 27410* 28336* 37017* 54803*
infectious diseases 3891 3903 11932 20255 28261 72588 72591 72619 80804 91470 11943* 11967* 11979* 11981* 11982* 11997* 37058* 37603* 72687* 72688* 80816* 80882*
control 37049
treatment 37082 46053 80834 45988* 54793* 54817*
injuries 3903
marketing 93982
mortality 20255 80873 91378 72494*
parasites 28261 80812 28296* 54805* 63294* 63326*
control 20235
poisoning 3907 3942 3963 11994 20199 20224 46001 54829 91494 80829*
viability 91385 63360* 72742*
virus diseases 20211 46027 46394 12003*
weight and measurement 12005 72466 91454
Chicle 75682
Chicory
abnormalities 77610*
analysis and composition 56535*
anatomy and physiology 9040* 77727*
breeding 70136* 87449*
culture 52111 9849* 70137*
forcing 25854*
fungus diseases 24193*
germination 77610*
India 1894
policies and programs 39630 84165
propagation 70136*
storage 92217
thinning 43654*
Chigger mites SEE Trombiculidae
Children
attitudes 49571
Canada 85792
care 58150 66938*
education and training 7416 15346 76434
health 32224
psychology 15346 49571 58240*
SEE ALSO UNDER Human nutrition
Chilebalta n g 29317
Chilegyndes n g 29317
Chileogovea n g 29317
Chilli redpeppers
costs and returns 7651*
culture 78157 34880*
germination 25017
morphology 24616
statistics 31070
Chilo loftini 92083*
Chilo suppressalis
anatomy and physiology 29677 21393*
control 12500 4629* 12490* 81714*
diseases 12492*
dissemination 12480*
Korea 81667*
larvae 21393*
nutrition 73828 55957*
rearing and breeding 81669 55957*
Chilo tumidicostalis 55376
Chilo zonellus 4630 81715

Item

Chilocorus 92420*
Chilocorus stigma 55756
Chilomastix equi 3760
Chilopoda
anatomy and physiology 4924 21059 12760* 12778* 21061* 55673* 55682* 55701* 82157* 92327*
cytology 21065* 21066* 29316* 55701*
ecology 29308
Finland 92334
Great Britain 4909 29293 29309 64284
habits and behavior 29308
Japan 4942* 29315*
Mexico 55661
Nevada 64277
nomenclature 29293 82131
Oregon 64277
Sweden 29279
taxonomy 82131 29320* 82136* 92319*
USSR 82165*
Venezuela 29287*
Chilopselaphus balneariellus podolicus 82732*
Chiloscyphus 32891
Chilotoma 64349*
Chilotomus 73619*
Chilotraea infuscatellus 29030
Chimaphila umbellata 23977*
Chimarra 47255 56020 64731
Chimeras
animals 3836
plants 762 33645 50698 77448 16280* 33638* 33671* 42181* 42215* 42261* 68423* 87247*
Chimneys 13363
Chimonanthus fragrans SEE Chimonanthus praecox
Chimonanthus praecox 50651*
Chinchillas 3736 80602 45816*
breeding 28072 36838 36842 54577 20047* 28068* 36846* 91278*
care 63120* 91289*
color 28072
cytology 45813
diseases 28081
embryos 54584
equipment 28068*
feeding and nutrition 54579 63099 72368 91279 36849* 63096*
fertility 20046
fur production 3731 20057 76281 20047*
genetics 11792
grading 91288
history 54602*
housing 3731 54598
industry 84575*
injuries 72378*
pelting 54597*
pregnancy 36858
respiration 63099
types 72382*
vices 3732
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Chinese cabbage
anatomy and physiology 41930*
bacterial diseases 86992*
breeding 69967*
culture 60871*
fungus diseases 41930*
genetics 33803* 68491*
varieties 17585* 82735*

Item

Chinese chestnut SEE Castanea mollissima
Chinese gooseberry SEE Actinidia chinensis
Chinese magnoliavine SEE Schisandra chinensis
Chinese waxgourd 46591
Chinkapin SEE Castanea
Chinosol SEE 8-Hydroxyquinoline sulfate
Chionaema 38490*
Chioneosoma candidum 55740*
Chionographis 15752*
Chionographis japonica 33695
Chipboard SEE Particle board
Chipmunks
pests 37549 46391 63828
Chirinda Forest 82106
Chirita 90 32696
Chirobia 38024*
Chirodiscoides caviae 21077*
Chiromyza 21199
Chiromyza prisca 37647 37677
Chironia 156
Chironitis SEE Cheironitis
Chironomidae
anatomy and physiology 5158 55777 55827 73681*
Australia 12874
California 46923
collecting and preserving 82375
control 37605 68688 81555
cytology 46937* 46938*
ecology 46923 55777 12887*
Finland 29460* 38219* 38220*
Florida 5064 73661
genetics 55816 46938*
habits and behavior 81555 48943* 73681*
larvae 12868 29471 64425* 73688* 73719*
anatomy and physiology 21174 92427 38218* 46937*
Czechoslovakia 21224*
Germany 21168*
Great Britain 82375
Palearctic Region 55801*
Malaya 64419
nutrition 73688* 73690*
parasites 55816
Poland
reviews 64424*
rearing and breeding 38220*
stratification 82375
taxonomy 46923 55777 64419 73661 21200* 64430* 73719*
USSR 12887* 73624*
Wisconsin 55777
Chironomus 5064 12874 73661 12881* 38217* 64425* 73681*
Chironomus annularius 21174
Chironomus decorus 82443
Chironomus plumosus 46388 55827 73690*
Chironomus rempelii 55816
Chironomus tentans 55774 38166*
Chironomus thummi 5168*
Chirothrips madagassus 29814*
Chirothrips manicatus 38574
Chirothrips pallidicornis 29008
Chitin 44000 60014 73859 92675 82234*
Chitinase 9245*
Chives 89178*
Chlamisus 21113 29338 38080* 82221* 92344*
Chlamisus laticollis 82315*
Chlamisus spilotus 82315*

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Item

Chlamydatus 92508*
Chlamydatus longirostris 38355*
Chlamydatus pullus 73766
Chlamydobotrys 16875*
Chlamydomonas 41510 41519 32906* 58758*
anatomy and physiology 51029 59834
genetics 8816 16479
morphology 50816
Chlamydomonas chlamydogama 1275
Chlamydomonas moewusii 60221
Chlamydomonas reinhardi 42698 51521 77429
Chlenias 5529
a-2-Chlor-9-(3-dimethyl-amino-propyliden)-thioxan-thene 91198
N-(2-Chlor 4-nitrophenyl)-5-chlorsalicylamid 19577 90693
Chlora 77460*
Chloral hydrate 45828 72252 19877* 36622* 56536* 62903*
Chloraminotriazine 70041*
Chloramphenicol 64223
effects on animals 54446* 63654*
effects on bacteria 3948
effects on Bombyx mori 73496
effects on plants 962 60351 87800 34002*
therapeutic use 54539* 62406* 63493* 72818* 91217*
Chlordane 50397
analysis and composition 91975
ant control 29124
effects on plants 12598 20858
insect resistance 4413 4447
nursery pest control 12598
physiological action 12353*
termite control 92222 92223
toxicity 28837 81377 82002 92281
vegetable pest control 92057
Chlorea 10683 89360
Chlorella 76837*
anatomy and physiology 1296 16724 34110 42919 51369 59781 1234* 1245* 42787* 42792* 68645*
biochemistry 9148 9271 16961 42994 77789 77813 88230
cytology 42220 59552*
nutritional deficiencies 24791*
taxonomy 77789
utilization 40231 48973 76638*
Chlorella elipsoida 60081 60082 42873*
Chlorella pyrenoidosa 31647*
anatomy and physiology 16499 42459 51022 51062 51320 68604 68605 88003 9177* 34157* 68634* 68882* 68945* 87572* 87837*
biochemistry 42965 51542 88225
genetics 42343
Chlorella vulgaris
anatomy and physiology 24907 24909 42728* 60047* 68882* 68885* 68886*
biochemistry 16942 42945

Item

Chlorella vulgaris--Cont
culture 43847*
cytology 59499*
feed 43847*
Chlorethyl SEE Ethyl chloride
Chloridea dipsacea 92114*
Chloridea obsoleta SEE Heliothis armigera; Heliothis zea (in New World)
Chloridea peltigera SEE Heliothis peltigera
Chlorides
effects on plants 16723 42565
fertilizers
bibliographies 1005
in blood 3661* 38321*
in feed 89503*
in food 13719 22531 27788* 83348*
in plants 24887 51072 51218
in soils 52477 52485 52548 52506* 89503*
in sugar manufacture 31559
Chloridium musae 471
Chlorillus SEE Plagiognathus (Chlorillus)
Chlorinated hydrocarbon insecticides 46338* 63742* 81390* 91958*
analysis and composition 55215*
determination 30941 47648 65075 74412 74420 74727 83329 93297
effects on plants 4439 81399
fly control 4467 4535
in soils 55449
insect resistance 4353 4357 4414 37490*
livestock parasite control 11635*
mosquito control 37585* 37586*
physiological action 12366
residues 30941 47648 47741 55482 57276 61635 65075 74420 74727 83329 93297
soil pest control 61162 73120*
termite control 81905 92240
toxicity 12420 28804 28805
tree pest control 20887*
Chlorinated hydrocarbons 47652
Chlorinated naphthalene SEE Chloronaphthalene
Chlorinated nitrobenzene 8512
Chlorinated polyphenols 62102*
Chlorinated turpentine 64075* 91977*
Chlorine
determination 4385 30138 31247
effects on fibers 13975 39555*
effects on plants 42608
effects on starches 39854
herbicides 89327*
in cattle physiology 54336* 62803*
in cottonseed processing 93921
in fiber processing 93513*
in insecticides 6954*
in lumber preservation reviews 44988
in plants 8985 59877 59946* 68984* 88202*
bibliographies 997
in water 65044
residues 47672

Item

Chlorine dioxide 57172 48166*
in flour processing 7960
in pulp and paper manufacture 2913 11029 36057* 71519*
Chlorion 5308
Chlorion davisi 55896
Chlorion simillimum 55896
Chloris 9486* 86487*
Chloris gayana 1550 34518 43215
Chlorita 38289* 46994* 47052*
4-Chloro-benzene-1,3-di-sulfonamide 20372
4-Chloro-2-butynyl N-(3-chlorophenyl) carbamate SEE Barbane
4-Chloro-m-cresol 73537
1-Chloro-2,4-dinitronaphthalene 13444*
2-Chloro-4,6-bis (ethylamino)-s-triazine SEE Simazine
0-(3-Chloro-4-methylumbelliferone) O,O-diethyl phosphorothioate SEE Bayer 21/199
2-Chloro-6-(trichloromethyl) pyridine 44010
Chlorobenzilate 73288 29082*
Chlorobenzoic acid 25129
Chlorococcales 50110* 67575*
Chlorococcum 41510 58755
Chlorocypha 5635 21499 82897
Chloroethanol 22537
2-Chloroethyl trimethylammonium chloride 987 34039 42024 42882 59976 87779* 87814*
Chloroform 28136 19790*
Chlorogenic acid
determination 47653*
in coffee 13632 83656 93218 77101*
in mate 39119
in potatoes 86928*
in tobacco 85117 16501* 60298*
Chlorogloea fritschii 77526
p-Chloromercuribenzoate 68017 77233
Chloromonas 58758*
Chloromycetin SEE Chloramphenicol
Chloronaphthalene 62102*
Chloroperla 29817*
Chlorophenoxy alkane carboxylic acid 59944
Chlorophenoxy-propionic acid 24882
4-Chlorophenoxyacetic acid SEE 4-CPA
3-(p-Chlorophenyl)-1,1-dimethylurea trichloroacetate 34952
di-(p-Chlorophenyl)-trifluoromethylcarbinol 4320
M-Chlorophenylcarbamic acid butinol ester 60946* 60963*
Chlorophora excelsa 19107*
Chlorophorus annularis 46889*
Chlorophos SEE Dipterex
Chlorophyceae 753 77006 9307* 16353* 24577*
Chlorophycophyta 87320*
Chlorophyll 512 947 1058 1118 1338 1353 1401 8685 8885 9073 9112 9240 9262 9300 9317 16223 16456 16784 16942 16970 25190 25230 33760 33804 33819 34227

Item

Chlorophyll--Cont
34335 34336 42258 42344 42401 42592 42816 42996 50876 51443 51462 51480 51515 51538 51550 59718 60297 60345 68446 68837 68896 69016 69198 69232 69241 71325 77305 77816 87405 88114 88120 88135 88140 88203 8990* 16697* 16931* 24906* 25004* 31008* 33853* 34163* 38336* 42471* 42825* 42946* 44825* 51240* 59805* 60334* 61938* 68672* 68994* 69211* 69226* 69250* 87477* 87489* 87875* 87963* 88002* 88178* 88228*
synthetic 88136
Chlorophylla a 88102 88103 88216 88227 88245 1373* 69200* 69270* 77827*
Chlorophyll b 88227 1373* 69200* 69248* 69270*
Chlorophyll c 16980
Chlorophyllase 1356
Chlorophyllides 69249*
Chlorophyta 24059 32907 50113 41512*
Chlorophytum 67486
Chlorophytum capense 8204
Chlorophytum comosum 8204 59518*
Chloropicrin 8550 26612 55526 55527 55583 65751
Chloropidae 29476 81726 12870*
as pests 73256*
ecology 12871*
Europe 92436*
habits and behavior 29428
nomenclature 46957
Palearctic Region 92460*
parasites 47105
rearing and breeding 5166 46951
Chloroplasts 829 1246 1255 1384 8799 9287 16611 16669 16981 16984 24576 24626 24803 33872 34263 34328 34349 42214 42228 42258 42644 42790 43037 51024 51113 51282 51307 51473 51546 51566 51578 60324 68412 68684 68837 69161 69167 77408 77556 77827 86334 87754 87790 87819 87991 88015 88150 88153 88160 88166 88167 88222 730* 1350* 1351* 8708* 8798* 16523* 16584* 16825* 24612* 33594* 34159* 41259* 42210* 42497* 42625* 42951* 50827* 59556* 59599* 59646* 59803* 60311* 60321* 68258* 68406* 69253* 77594* 77642* 87631* 88229* 88247*
Chlorops oryzae 81652 12879* 82446*
Chlorops pumilionis 55393 46974*
4-Chlororesorcinol 4585
Chlorosis 16826* 43007* apples 33977* 70391*
bibliographies 1000
Christmas trees 61870*
citrus 1024 42654
corn 9100

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Item

Chlorosis--Cont
fruit 51160* 60001*
grapes 18046* 34082* 42725* 51160* 59886* 69007*
oats 59916*
oranges 59127
ornamental plants 24790*
Paspalum dilatatum 51221 51222
pears 87663*
Pinus nigra calabrica 18840
Pteris cretica 42808*
reviews 8899
rice 34223*
sorghum 59988
sugarcane 77464
trees 71138*
4-Chlorotestosterone acetate 27420*
Chlorotherion n g 92419*
Chlorothiazide 81090
Chlorotic decline
Pinus ponderosa 58880
Chlorotic leafspot
apples 87074
Chlorotic spot
Passiflora foetida 8611
Chlorotic streak
sugarcane 41985 42037 50463 50481 68042
Chlorous acid 39458
Chlorpromazine 27563* 28102* 45861* 55084* 73008* 90607* 91230* 91251*
Chlorpropham SEE CIPC
Chlorprothixene 72980*
Chlortetracycline
effects on animals 36295* 48703* 62382*
effects on bacteria 20228
effects on cattle 3380 19721 54219 62669 90886 36587* 63628*
effects on ducks 80885*
effects on guinea pigs 72441*
effects on minks 11800*
effects on poultry 11912 72619 91410 91411 91457 91536 11876* 28226* 36977* 72494* 72693* 80727* 91462*
effects on ruminants 11240
effects on swine 12200 12212 55063 4231* 12207* 28614* 37359* 46196* 55088* 63584* 63628* 72932* 91808*
effects on turkeys 72573
in feed 90886 46205* 74928*
in fish processing 85134
in food processing 7124 14556 13548*
in meat processing 6991* 48703* 57288* 93882*
in poultry meat processing 57446*
residues 85134
therapeutic use
cattle 19906*
poultry 3914 46053 28273*
rabbits 80951*
sheep 37230* 72817*
swine 73037*
turkeys 45990
Choanephora 67619
Choanephora cucurbitarum 51580
Choanephora trispora 9216
Choanephoraceae 1343
Choanotaenia 80877
Choanotaenia infundibulum 11945
Chocolate 30354 30391 30675 56539 83652 39222 55539* 56610* 83614*

Item

Chocolate--Cont
bibliographies 13651*
nutritive value 32480*
pest control 46624*
properties 74617* 83643* 83644*
quality 13648 30680
tests 83643* 83644*
utilization 30687 41055 48070
SEE ALSO Cocoa
Chocolate spot
broadbeans 8438
Choke
grasses 33244
Cholera SEE Fowl cholera; Hog cholera
Cholestanol 82830
delta7-Cholestenol 82830
Cholesterol
in animal physiology 19475* 62471*
in blood 37032 46010 46041 63637 72463 72512 72538 72656 80741 3424* 19512* 62471* 63160* 63266* 72841* 91039*
in eggs 46010 72512 80741 83770
in insect nutrition 64447
in insect physiology 29677 47209
in milk 83770
in poultry nutrition 28206 28209
in poultry physiology 3897 11977 12016 20150 28214 37022 46037 3956*
in rabbit nutrition 12048
in rabbit physiology 80946
in sheep physiology 81132*
Choleva 82334*
Cholic acid 11883 37032 45908
Choline
in animal nutrition 20150 72572 80755* 80771* 81214*
in food 13446* 38906*
in insect nutrition 55957*
in insect physiology 46916
in plants 16899
Choline acetylase 12366
Choline chloride 34296* 51177* 91401*
Choline sulfate 9297
Cholinesterase
in animal physiology 28503 37070* 45249*
in blood 19879 4025* 27444* 36808* 45677* 45842*
in colostrum 19879
in insects 37481 91970*
in plants 77776 88193
in semen 90861*
in yeasts 88159*
inhibitors 4500 30939 55371 73099 81387 81415 81416 81467 82874 45249* 65072*
Chondrilla 1920 1931
Chondrilla juncea 1956 1965
Chondriosomes SEE Mitochondria
Chondrodesmus 4936
Chondrorhyncha aromatica 8663
Chondrus ocellatus 16929
Chonocephalus depressus 21227
Chopper-blower systems 21615* 21648* 64902* 64912* 83138* 92817*
SEE ALSO Blowers; Choppers

Item

Choppers 4604 12468 5707* 83069*
Austria 29974*
Belgium 64883*
Germany 38722* 74109* 74124* 74144* 83093* 92862*
Japan 29958*
Chordeumidea 21039
Chordodes japonensis 82825
Chorebus striola 38375
Choreutis 21366
Choreutis bjerkandrella 55493*
Choriomeningitis 11324* 20607*
Chorioptes 21060* 28879*
Chorisoneurodes n g 82845*
Choristoneura 38441
Choristoneura fumiferana
Adirondack Mountains 4752
anatomy and physiology 5423 29726
as pests 20919
Canada 4746 79180 81916
control 4745 4777 20885
Eastern States 4744
eggs 12986
Lake States 92228
Minnesota 73359
parasites 46668
Choristoneura murinana 46668
Choristoneura pinus 29153 29690 37797 37798 37803 92225
Chorizagrotis auxiliaris 81664
Chorizococcus 12931
Chorotingis n g 5222
Chorthippus albomarginatus 46415* 56004*
Chorthippus biguttulus 56004*
Chortoicetes terminifera 28794
Chortophaga viridifasciata 55715 82822
Chortophila antiqua SEE Hylemya antiqua
Chortophila brassicae SEE Hylemya brassicae
Chortophila cilicrura SEE Hylemya cilicrura
Chortophila floralis SEE Hylemya floralis
Chosenia macrolepis 9777
Chou moellier SEE Marrow cabbage
Chramesus 12843
Chreomisis n g 92350*
Chrestosema 29593*
Chriodes 82581
Christensen C 8040*
Christian-Albrechts Universität Kiel Institut für Haustierkunde 54055*
Christmas greens 11075 19313 34735
Christmas rose SEE Helliborus niger
Christmas trees
abnormalities 2692
advertising 2970 11075 36098
associations 36098 36108 79587 79592 79597 79598
brush control 53330
care 19313 36103
coloring 79583 79588
combustibility 79584 79599
consumer preferences 19305
cooperatives 36105*
costs and returns 11079
culture 36104
Germany
East Germany 71561*
Maine 36102
Mexico 27175*

Item

Christmas trees--Cont
culture--cont
Montana 11087 36107
West Virginia 71281
directories 79597
diseases 33122 61870*
Florida 27169
grading and standardization 53700
industry 2971 34735 79595
injuries 35867
labor 53701
legal aspects 53701 79099 79103
Maine 53684
marketing 2967 53702
Indiana 2964
Minnesota 36113
Pacific Northwest 19303 36101
Tennessee 27164
Utah 45112
moisture 79599
Montana 2975 64598
packing 36103
Pennsylvania 2981
pest control 55594 81874
pests 64598
planting 10559
pruning 2669 2692 27169 35757 53352 61860
purchasing 19313
seedlings 53312
seeds 71281
size 36103
statistics 2980 36115
taxation 2582
theft 79103
trade 11081 90443
Canada 10081 90443
Utah 27171
weed control 2675 35765 44756 53312 53330
wood 2965
Chromanocoumaran 62217
Chromaphis juglandicola 92143
Chromatin 12859* 42300* 59562* 80798*
Chromatium 88183
Chromatography 47648 65078 49827* 83336*
in agricultural products research 21788
in animal research 11243 36292 90725 45582*
in brewing research 39165
in cellulose research 36121 53709
in cocoa research 21948*
in container research 83502*
in dairy research 6209 13735 22018 39283 39287 47945 56633 56660 65390 65395 65420 74694 74707 74727 6198* 39266* 47929* 56641* 56659* 56650* 65400* 74729* 83754* 83755* 83777*
in economic poisons research 7972 21789 23731
in entomological research 73859 82095 5061* 37936*
in fats and oils research 7060 7096 7108 7115 11059 14442 14444 14492 22698 31394 45083 47659 48759 53788 57382 66103 66105 66131 75519 75531 84789 84798 84811 84821 93922 7032* 7033* 7042* 7063* 7065* 14452* 14472* 14474*

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Item

Chromatography--Cont
in fats and oils research--cont
22719* 31332* 31348*
31357* 31370* 31400*
31403* 40052* 48762*
48770* 48797* 48798*
48812* 57342* 57352*
57357* 57363* 57369*
66118* 66119* 68805*
75515* 75579* 75580*
84600* 84790* 84802*
84804* 84834* 93908*
in feed research 6420
93448*
in fiber research 48250*
74995*
in flavorings research
6158 65285 74590
74592
in flour research 22526
48502*
in food research 5948
13513 21775 30941
47672 65068 65071
65082 65723 74401
83364 84424 6890*
30136* 38885* 38908*
74422* 74423* 83359*
in fruit research 30956
48329 65707 75110
14068* 65712* 75113*
84209*
in fumigant research 55527
in grain research 75273*
84433*
in gums and resins research 90403
in herbicide research
17751 34987 47655
in honey research 37848*
in hops research 94114
in insecticide research
28751 28800 46309
55203 61162 63713
63778 65075 81719
82874 83329 91980
55227* 73126* 81379*
81662*
in lignin research 19319
71578
in meat research 14344
14350 48641 22576*
75392* 84609*
in plant research 1317
16154 16827 16836
16915 25216 25236
25252 33760 34273
34297 34299 34318
34340 51528 60306
69238 77817 88189
88239 1347* 1392*
8921* 9257* 9280*
16868* 21784* 23892*
24190* 25152* 25193*
34317* 42978* 51457*
51555* 60348* 69227*
69270* 77771* 77800*
87778* 88176* 89169*
in protein research 56354
in sericulture research
37914*
in soil research 61162
78336 78412 89506*
in starch research 38909
in sugars research 22857
22896 57526 66235
48939* 57552* 75741*
85013*
in tannin research 11054*
in tea research 47840
in terpene research 45095
in tobacco research 22905
in turpentine research
11059
in vanilla research 56576
in vegetable research
75098 75110 93563*
in virus research 54810*
in vitamin research 74409*
74410*

Item

Chromatography--Cont
in wax research 31351
84817*
in wine research 6111
39184 65280* 65282*
75113* 83611* 83705*
in wood research 53627*
reviews 40052*
Chromatophores 56353
Chromic acid 93815
Chromium 11025 11994
39537* 91302*
Chromium compounds 14413
Chromium oxides
in ruminant physiology
28525 36242 62740
63460 72037 79686
46244* 79904* 91703*
Chromobacterium violaceum
78462*
Chromocallis n g 47047
Chromocyphella 15859
Chromogens 20348 48141
72037
Chromoproteins 34328
Chromosomes
Acarina 92339*
Aegilops 8851*
Agropyron cristatum 50653
Alisma 87321 59372*
Allium 42333 42332*
Angiospermae 77383
animals 3725 36422
36768 45576 53748
94876 19366* 80588*
Anthurium 77401
Antirrhinum majus 77462*
Aquilegia 16345*
arachnids 4956 82182*
Araucaria araucana 59476*
Aspergillus nidulans 68518
Aspidistra 812
Aster 42223
Astragalus 50728
Atrichum 68384*
Avena 16374*
bananas 50803
barley 16496 24719
24746 8836* 33978*
42667* 59741* 68328*
beans 87442*
Bellevalia romana 755*
87276*
Beta 77355
Blechnum 807
Bombyx 21000 37920*
82017*
broadbeans 33734 51581
68399 77390 87455
16380*
Bromus 24618
Brotherella 68411
Bryonia dioica 760*
Cacalia 770*
Calendula 68213
Callitriche 77451*
Capparis decidua 50765
Centaurium 77460*
Chenopodium album 68232
chickpeas 77388
Chilopoda 29316*
Chlora 77460*
Cipura paludosa 33722
clover 16487*
Coleoptera 46843 55756
5565*
Collinsia 33769 42200
50848 50849 87406
Compositae 8779
Corchorus 24591 33619
87354
corn 853 855 858
859 872 894
24606 33685 33779
42328 42352 42369
42384 59682 68817
77442
cotton 16391
Crepis capillaris 24643*
77404*

Item

Chromosomes--Cont
Crotalaria 744
cucumbers 87412*
Cunonia capensis 77372*
Cupressus 24590*
Curcuma 8776
currants 41311
Cyathus 68312
Dichanthium 33680 42199
dicotyledons 8781
Dictyostelium discoideum
24660
Diptera 5068 5096
5097 5102 5107
5120 5155 12883
12902 20583 21161
21188 21189 21193
21195 21220 21238
21244 29429 29450
29477 29502 38174
38186 83225 46339
46924 46947 46967
55772 55804 55816
55823 55825 73706
82374 82397 82399
87297 92431 92459
92475 5063* 5168*
12860* 12867* 12881*
21252* 29422* 29482*
38166* 38213* 38224*
64425* 73112* 73660*
73674* 73679*
Drosophila 5155 12876
5154*
drug plants 77367
Duabanga sonneratioides
50813
Dyssodia 50712
Eucalyptus 59581*
Euglena viridis 815
Fissidens 737
Fritillaria lanceolata 87340
Gesneriaceae 50729
gooseberries 41311
grasses 16370 17211
77433
Haemanthus 42177* 42184*
Haynaldia 8851*
Helicotrichon 87283
Hemiptera 5216 5229
12919 55856 92509
47021*
Heteroptera 92557
Hibiscus 903
Hymenoptera 5294
82632 87368
insects 42248 94876
82091*
reviews 42237*
Isoptera 5591
Larrea 24631
Lepidoptera 5347 5348
5484 21402* 21403*
29695* 29696* 82472*
Libocedrus 24590*
Lilium 741 50866
59611 68448 87368
Luzula 87303*
Lycopersicon pimpinellifolium 33595* 42308*
Mathiola incana 42423
meaic 59395
Mimulus 788 33689
Musci 68411
muskmelons 776*
Myriapoda 21065* 21066*
29316*
Narcissus tazetta 818
Nereocystis luetkeana
16335
Neurospora crassa 931
Nicotiana 904 8815
oats 16382 16456 50876
onions 792 8789
16424 87429 16380*
33711* 59409*
Orchidaceae 87293
Orthoptera 5562 21455
21464 38532 38536
38548 38553 56012
82829 82836* 82837*

Item

Chromosomes--Cont
Oryza 33790
Oxytropis 50728
Pandanus 16392
Paris 87414
peas 42379*
Petunia 59630
Phalaris arundinacea 42392
plants 833 880
16334 23905 24607
33585 33630 42248
42293 42383 49985
59681 87297 87359
87390 94876 68304*
87358*
numbers 785 789
32711 50787 50800
59425 87282 42201*
reviews 87369 87423
42237*
Podophyllum peltatum 8760
Podospora anserina 59690*
59706*
Polycarpicae 33670*
Polypodiaceae 16363
Potamogeton 42317
potatoes 50877
Prunus 87286
Pseudolarix amabilis 50749
Pteridophyta 8752
33665 33681
Quercus dentata 77399
Ranunculus 68233
rice 888 8836*
Rubus 41311
Rumex 87414
Russelia 798
rye 8834 87457
Salicaceae 33731
Salicornia 68238
Salvia 59417
Scilla 902 42280
87414
Scirpus 68329
sorghum 779 24624
50740 50741
spiders 46797 55703
64316 82197
Stenotaphrum secundatum
775
Sternbergia fischeriana
33650*
sugarcane 25510 59378
ticks 82148*
tobacco 42347
tomatoes 915 16476
16315*
Tradescantia 24663
24680 50810
Tripsacum 24606
Triticum 796
Urtica pilulifera 33713*
vetch 16355*
Viola 76971*
Vittoria 59370
wheat 15966 16468
16679 24648 24738
24755 42400 50761
50889 50890 33978*
87473*
Woodfordia floribunda
50813
yeasts 50872
SEE ALSO Genes; Meiosis; Mitosis; Polyploidy
Chromosporium 67896*
Chromotropic acid 13767
Chronic interstitial nephritis
3661*
Chronic respiratory disease
3891 28258 28275
28276 28278 28300
28347 37043 37054
45965 45981 80791
91484 91523 91530
20190* 20202* 20239*
54792* 54812* 72597*
Australia 80803
Bulgaria 80800*

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Item

Chronic respiratory disease--Cont
control 28299 72619 91554
diagnosis 80784
France 54748*
Hungary 54794*
treatment 3914 37063
turkeys 91474
virus 54806
Chroococcidiopsis kashaii 42104
Chrysalidopsis n g 33010
Chrysamoeba 229
Chrysanthemic acid esters SEE Chrysanthemumic acid esters
Chrysanthemin 43016*
Chrysanthemum 1755*
anatomy and physiology 16837 33876 42567 42838 50965 60165 87920 25038* 33954* 42650* 42743* 42923* 69012* 77582* 87770* 88096*
associations 9742 43530
culture 5863 17464 34758 35383*
Alabama 60763
Australia 9746
Canada 69825
Denmark 69817*
Finland 17468*
Germany 9766*
Great Britain 43524 43529 43572
Netherlands 25746*
Norway 42650* 42743* 43532*
Scotland 89017
cytology 68369
diseases 41629 50189
fertilizers 18281 18311
fungus diseases 515 41926 15999* 67801*
hardiness 69825
injuries 92198*
Japan 68369
nematode resistance 16195
nematodes 16169 16194 42064 77273 87129*
pest control 46603 73329 81830
pests 46605 37759*
physiological diseases 77574*
propagation 34758
varieties 9741 52061 89096 43513*
Alabama 60763
Germany 43498*
Great Britain 43506
Minnesota 17546
Washington 1757
virus diseases 16132 77229
Chrysanthemum atratum 15772*
Chrysanthemum cinerariaefolium
biochemistry 88128
culture 52350 89422
drying 63773
fertilizers 78650
pests 63892
pollination 64158 81371
yields 78650
Chrysanthemum coccineum 50705* 59448*
Chrysanthemum corymbosum 16286
Chrysanthemum frutescens 51456*
Chrysanthemum indicum 77775 47311*
Chrysanthemum leucanthemum 92423 42298* 88212*
Chrysanthemum lineare 932
Chrysanthemum morifolium 24258 24357

Item

Chrysanthemum nipponicum 932
Chrysanthemum roseum SEE Chrysanthemum coccineum
Chrysanthemum segetum 16286
Chrysanthemum subcorymbosum 16286
Chrysanthemumic acid 81370*
Chrysanthemumic acid esters 91973*
Chrysididae 55900 55910 82628 47112*
Chrysis 55910
Chrysis coerulans 82628
Chrysis cyanea 64570*
Chrysis inaequidens 55900
Chrysis lyncea 92553
Chrysis mucronata 82628
Chrysis verticalis 64568
Chrysobothris femorata 20901
Chrysocarabus 64367*
Chrysocarabus auronitens festivus 55751*
Chrysocarabus solieri 55751*
Chrysochnoodes 47058*
Chrysochromulina brevifilum 782
Chrysocleptes SEE Cleptes (Chrysocleptes)
Chrysocrambus cornutellus 5547
Chrysocrambus sardiniellus 5547
Chrysolina 64329
Chrysolina hyperici 82270
Chrysolina quadrigemina 82270
Chrysomela 21151*
Chrysomelidae
Africa 82272*
anatomy and physiology 82270 21151* 38150* 38151* 55738*
Asia 55717
Brazil 12849* 38080* 82221* 92344*
Canada 46313
Chad 21147*
China 21113
collections 12798 46851 46901*
control 4659 20730 73187* 81677* 92110*
Czechoslovakia 38091*
ecology 4766* 38118*
eggs 64376*
food and host plants 29391*
Germany 82287*
Great Britain 5039 37638 73610
habits and behavior 12796 38091* 92188
Ivory Coast 92375*
Japan 12837 4766* 82315* 92399*
Korea 21113
larvae 73650 82341
Maryland 55726
Morocco 82241* 82242*
North America 29338
nutrition 73650
Palearctic Region 12829*
parasites 5331 82279* 92188*
Portugal 82240*
Ryukyu Islands 12833 12834 92398
Scotland 73243
Spain 82240* 82242*
taxonomy 29338 46851 82314 12850* 38091* 82215* 82272* 82339*
USSR 55739*
Western Hemisphere 64329
Chrysomeloidea 5029 82215
Chrysomphalus aonidum 64006 64020 82499 82500 12577* 29081*

Item

Chrysomphalus ficus SEE Chrysomphalus aonidum
Chrysomya bezziana 4520
Chrysomya inclinata 20689
Chrysomya putoria 4362
Chrysomya rufifacies 12384
Chrysomyia SEE Chrysomya
Chrysomyxa 58803
Chrysonopa 21113
Chrysopa 29812
Chrysopa carnea 13074
Chrysophyceae 32929 50767 86539
Chrysophyta 68317*
Chrysopidae 82885 64743*
Chrysopilus 73695
Chrysopilus cristatus 38193
Chrysopinae 38204 64427*
Chrysopogon gryllus SEE Rhaphis gryllus
Chrysops 38221
Chrysops dimidiata 21173
Chrysops silacea 21173
Chrysops tidwelli 73698
Chrysoptera c-aureum 55940*
Chrystotoxum 82395*
Chthoniidae 29311 82126
Chthonius tetrachelatus 38040*
Churches 32152 32170 40846 49468 58125 58166 58173 58173 58183 66947 66952 23127* 32268* 57788*
activities 58126 58172 66922 85856 85876
Appalachians 94651
Canada 67019
Italy 40810*
Northeastern States 69963
Pennsylvania 32186
Vermont 23526
West Virginia 32180
Chutney 14133
Chylophaga n g 82382
Chymotrypsin 22117 31338
Chyromya flava 37552
Chytridiales 8742 32954 33027
Cibola National Forest 44605
Cibolacris 13069
Cibotium chamissoi 829
Cicadella 21272 55850 64497
Cicadellidae SEE Leafhoppers
Cicadelloidea 46999
Cicadetta adusta 82520*
Cicadetta montana 12362*
Cicadidae
Africa 73735
anatomy and physiology 55852 82520*
and plant disease 81799*
as pests 73199 81646*
Congo 64485
control 81776 55396*
habits and behavior 13048 82543
Latvia 64483*
Cicadoidea 46994* 46996* 47052* 92515*
bibliographies 64508
Cicadulina parazeae 21281
Cidadulina zeae 21281
Cicer SEE Chickpeas
Cichoriin 75786
Cichorum intybus SEE Chicory
Cicindela 29396
Cicindela (Ancylia) n sgen 21145*
Cicindela (Pancallia) n sgen 21145*
Cicindela (Sericina) n sgen 21145
Cicindelidae 29396 64371* 82324* 92395*
Cicindelinae 82247
Cidaria caesiata 92612*
Cidaria otregiata 29717*
Cider 6628 30970 88899
analysis and composition 13671 48327

Item

Cider--Cont
bacteria 83663* 83664*
chemistry 13621 13674
marketing 6660
preservatives 14147
properties 83650*
quality 65757*
statistics 83581
Ciidae 73591
CILB SEE Commission Internationale de Lutte Biologique
Ciliatosis 5195
Ciliocerodes n g 47130*
Ciliopempelia n g 47130*
Cilix glaucata 5442
Cimex hemipterus 20655 29574 37442 37522 38346 63745*
Cimex lectularius 12389 12431 37522 81438 92021 46404*
Cimex tucmatiani 82553*
Cimicidae
and disease 46418*
Argentina 82553*
as parasites 46404*
insecticide resistance 4328 63745*
Micronesia 38346
rearing and breeding 29574
types 82553*
Cimicoidea 82532
Cinadus (Chaetogonophora) n sgen 82382
Cinara caliginosa 47008
Cinara escherichi 82560
Cinara lunata 38302
Cinchona 71083*
Cinchona ledgeriana 71258
Cineraria 42057
Ciniflo 92333*
Cinnamic acid 1313
Cinnamomum 32794*
Cinnamon 21947
Cionus 29404*
CIPC 34976 52306 84312
determination 83340*
effects on plants 39736 59889
in soils 70078
residues 83340*
Cipura paludosa 33722
Circadian rhythm SEE Diurnal rhythm
Circaea 50023
Circling disease SEE Listeriosis
Circulatory system 79770 45257* 45358* 62457* 90758*
cats 63012*
cattle 27781 45686 62769 72164 3423* 27868* 45619* 54274*
coypus 80593*
dogs 3659 36787 72320 91259 46152* 63012* 91269*
elephants 27346
goats 46152*
horses 91315
insects 73755 38539*
poultry 12013 28312 80705 54780*
rabbits 80945*
ruminants 62340 45298*
sheep 37186 20383*
swine 55141* 73023*
turkeys 46041
Circulifer tenellus 46448 82519
Cirphis unipuncta SEE Pseudaletia unipuncta
Cirrhia ocellaris 29631
Cirrhochrista 21436*
Cirrhosis 45795 45993* 54343*
Cirrilaspeyresia n g 21417
Cirrospilus 47072
Cirrospilus vittatus 73779

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Item

Cirsium 23982* 24025*
anatomy and physiology 60199
pollen 42301*
taxonomy 23982* 24025*
Cirsium acaulon 41492*
Cirsium arvense 16638 17813 5730* 9875* 70097*
Cirsium canum 23996*
Cirsium setosum 9924*
Cirsium vulgare 37152
Cis 82271
Cissites 5017
Cissus 41346
Cistus 2679
Citharexylum 76 8234
Citheroniidae 82716
Citizenship 49522 15273* 15274*
Citral 6648 30135 75121 75496
Citrate permease 47916
Citrates
in feed 19456
in fertilizers 18602 44516 44522
in ice cream 65519
in semen dilution 27582 80724
Citric acid
effects on bacteria 72954
extraction 14604*
fermentation 7249 14612 30303* 48921* 65202*
in animal physiology 11898 72246
in dairy products 6209 13722 22034* 30535* 91144*
in fats and oils processing 31347
in feed 72954
in fruit juice processing 57092*
in molasses 57507 66237
in plants 9250
in semen 12176 80060*
manufacture 22868 7288* 39727* 65201* 94034*
Citric acid cycle 1371 9282 16895 39643 51202
Citrolas SEE Citrus, feed
Citron 59139 77254* 88865*
Citronella Subsidy Scheme 23237
Citronellagrass SEE Cymbopogon nardus
Citronellic acid 31318*
Citronellol 84794*
Citronin 48337
Citrulline 16929 87445
Citrullus 86441*
Citrullus colocynthis SEE Colocynth
Citrullus vulgaris SEE Watermelons
Citrus
abnormalities 59526*
acreage and area 39779
advertising 30980 75137
analysis and composition 22338 39651 48322 65700 65703 84197* 84198*
anatomy and physiology 1024 2388 8961 8996 9009 16528 25028 25068 42654 42854 42890 51003 59184 59831 59981 61074 68715 68789 68896 956* 1193* 42510* 42863* 46577* 60139* 60276* 68743* 68990* 69076* 77036* 87647*
bacterial diseases 528 41951 86980*
biennial bearing 42641* 68743*

Item

Citrus--Cont
biochemistry 1401 88174 69231*
breeding 60654 78057 88883*
California 39779 42093 43378
canned 31019
care and handling 1684 39744 30997*
chemistry 75115*
conferences and congresses 84146 14043* 60669*
containers 75175 84298
contamination 55546 65700 65703 93605
cooperatives 48389
California 14085 39688
Florida 6667 38946 57001
costs and returns 7673 23430
Florida 7674 15101 15102 40335 49339 76279 85652 93665
culture 17317 1692*
Africa 26382*
Argentina 60664* 60671*
Arizona 60660
Australia 1688 9599
Brazil 25592* 88867*
California 25590
Florida 8345 8409 15901 25595 37705 51919 58842 60668 77044
India 34620
Israel 69725*
New Zealand 34614
Nicaragua 69716*
Rhodesia and Nyasaland 9591
Sicily 69725*
Surinam 34622*
Texas 17318
USSR 60680*
defects 39744 30997*
degreening 22427
disease resistance 41730 60654
diseases 33089 58894
Aden Protectorate 33090
Argentina 58819*
Arizona 60647
Australia 350
California 15912
Florida 15896 67678
Morocco 67682* 77036*
USSR 77058
enzymes 75114* 75115*
espalier 17317
feed 11177 19736 48342 75208*
fertilizers 2303 2331 78569 35301*
Australia 78669
Florida 10172 44158 61415
Italy 26237* 89656*
Mediterranean area 35324*
Philippines 18276
Republic of South Africa 26255
Florida 42854 60654
flowering date 8961
freezing 48437
fruit set 25068
fungus diseases 410 58995 16039*
Argentina 58947*
Australia 24265
California 67933
control 24270 65798 78972 86796*
Florida 58970 58978 60654
Louisiana 41890
Spain 86764*

Item

Citrus--Cont
fungus diseases--cont
Taiwan 86838
USSR 59033* 86796*
genetics 59743
hardiness 8155 42863* 69076*
harvesting 1684 64876 94524 68743* 84150*
history 84156 84157 84176
hybrids 8191*
Indonesia 78057
industry 39613 84176
Algeria 22281 84164*
Argentina 65675*
California 39633
Florida 30895 30926
Israel 39615
Italy 56931 56935*
Palestine 56942
public relations 39633
Republic of South Africa 84156 84157 84166
Spain 48289 65689*
Texas 39631
Tripolitania 39597*
USSR 30891* 65695*
injuries 31059 33420 58834 65817
Arizona 50230
California 41611 50230
Mexico 33060
Texas 8337 33060 41706 58824
irrigation 2468
Africa 26382*
Algeria 78853*
Arizona 78863
Australia 26545 44435
California 2388
Republic of South Africa 35520*
Sicily 10363*
Italy 94609*
keeping quality 30992 39769
losses 14197*
marketing 6679 14108 39665
California 6680
Colombia 30985*
costs 48387 93593 93664 93665
Europe 56987*
Florida 22361 30967 30973 48387 65730 84380
Republic of South Africa 14105 14106
Sicily 14045*
Texas 14102
Tunisia 84150*
morphology 59130 59743 68303*
nematode resistance 51912 58970 60653
nematodes 50531 24488*
California 68059
control 24486 33426 33443 68059 68071 77269 78972
Florida 33443 42070 50559 68079 77274
Israel 33426
Morocco 77297*
nomenclature 60661
nutritional deficiencies 33090 77573
packed 93605
packing 6695 30992 48387 75175 93593
packing sheds 14122
peel 48466*
pest control 20582 20836 50170 55477 55514 29082*
Argentina 64022*
Australia 55486 92173

Item

Citrus--Cont
pest control--cont
biological 4675 4683 20810 20811 20813 20833 55487 64006 81775 92161*
Brazil 29081* 55506*
California 20811 20813 46341
Florida 12557 12566 12593 15896 20833 29064 37720 55514 63979 63994 63995 64006 64018 67678 73288
India 29093 37699
Israel 33426
Italy 46577*
Mexico 12477*
Pakistan 37693
Peru 81798*
Republic of South Africa 12594
Rhodesia and Nyasaland 92191
Taiwan 37745
USSR 77058 64007*
pests 4707 29079 37745 46589
Aden Protectorate 33090
Angola 12567
Argentina 29709* 64013* 64021* 64024*
Australia 4679
California 4373 12538
China 37723*
Cyprus 4694
Florida 37705 46589 55498 55499
Iran 5210*
Israel 81792 82499 82500 92179
Italy 82169* 92336*
Japan 92169* 92170*
Mediterranean area 63993
Mexico 12477*
Morocco 92149*
North Africa 12583*
Surinam 4702*
surveys 46589 64013*
Taiwan 37745
Texas 12529
physiological diseases 1117 68738*
planting 17321 17325 49339 60667*
policies and programs 39611 84166
pre-harvest drop 42854 68715
processing 6716 14162 39769 68715 84326 84380 93664 93665 48466* 75208* 84150*
conferences and congresses 93631
production regions 75054
products 6716 39716 75055 84380 93664 93665
propagation 25577 60648* 88883*
by grafting and budding 8961 9608 60674 60672* 60673*
pruning 25583 25600 60663 88881 42510*
pulp 19736
quality 25068 39716
refrigeration 57100
rootstocks 8608 51912 59138 59180 77573
Argentina 60672*
Brazil 60674 25592*
California 51026
Florida 58970 60653 60654 60656 78040
India 34620

*Text of this reference is not in English.

Item

Citrus--Cont
rootstocks--cont
Republic of South Africa 9596
Texas 51003 59831
seeds 25022 25068 51313
shows 14035*
situation and outlook 6604 39598 39602 39781 39624* 56935*
Australia 14026
California 6680
Florida 30909 65672
Israel 39588 48312
Sicily 14045*
Spain 14040* 30918*
soils
Brazil 33474*
Florida 18041 25595 61074 70196
India 42654
spraying and dusting 1024 2303 12557 13302 68715 73288
California 67737 86616
Florida 15896 33059 64018
Western States 67681
statistics 14208 39781
Arizona 6740
California 6740
Florida 6740 22449 30973 31019 31078 40233 75247 94106
Republic of South Africa 14206
storage 93605
costs 84380 93664 93665
diseases 6695 14162 31059 65817 84330 16039* 30997*
Australia 31030 65798
control 57059 16039*
Surinam 65819*
Spain 31037*
temperature 65728
taxonomy 24026 32848 60661
thinning 69721
trade 7875 49628
Europe 67038 67066*
Germany 67058
Morocco 7883 15381
Spain 67085 7861* 49578*
statistics 67066*
transportation 31078 39664 65728 93615 94524
varieties 25575 41730
Argentina 60648*
Arizona 60647
Brazil 25592*
California 9603 25590 60670 60677
Florida 60656
Morocco 78041*
USSR 8191*
virus diseases 33420 42036 50478 59126 59128 59130 59133 59137 59138 59141 59145 59162 59165 59175 59176 59178 59180 59184 59188 59197 59198 77225 59153* 77231*
Argentina 59191 59136*
Australia 571 87055
Brazil 59142 59174 60657 24432*
California 59196 60670
conferences and congresses 59150
Corsica 59195
Florida 16141 59123 59166

Item

Citrus--Cont
virus diseases--cont
India 59172
Italy 59179
Japan 59186
Mediterranean area 59129 63993
Philippines 59119
Spain 77252*
Texas 8608 59167 59181
transmission 29079 64008
Tunisia 59151
Venezuela 59161
Western Hemisphere 77227
vitamins 75115*
waste 48342 93665 75208*
weed control 43695* 70061*
Argentina 60999*
Brazil 35037*
California 43705
Florida 43755 52255 60964 70064
weight and measurement 25068
yields 2468 42854
Citrus Engineering Conference 84146
Citrus ichangensis 69103*
Citrus juice
analysis and composition 6643 6642*
concentrated 6648 31020
consumption 39658 65726
flavor and odor 57030
frozen concentrates 14069 83551
keeping quality 57030
processing 31020 84345 75217*
tests 14069 84211
vitamins 57030
Citrus mealybug SEE Pseudococcus citri
Citrus medica SEE Citron
Citrus microcarpa 57030
Citrus mitis 22338
Citrus oil 6648 48342 66113 75537 84841* 84847* 84859*
analysis and composition 48761 48784 48801 48810 48811 57393 84843*
extraction 57387
reviews 48333
utilization 84843
Citrus paradisi SEE Grapefruit
Citrus Processing Conference 93631
Citrus rust mite SEE Phyllocoptruta oleivora
Citrus seed oil 31365
Citrus whitefly SEE Dialeurodes citri
Civil Defense Adult Education Program 41107
Civilian defense 38596 41084 41085 41086 41088 41089 41093 41095 41098 41101 41107 41108 41119 41130 41134 41137 41152
and feed industry 30745 48156
and food supply 5924 30237 30243 38986 38989 41129 41149 47629 47641 47791 49701
and milling industry 65918
Cixius 47022*
CL 38023 63853
Cladium 15764
Cladochytrium replicatum 42915

Item

Cladonia 69230 77007 32959* 42155*
Cladonia magyarica 32995*
Cladonia rangiferina 963*
Cladophora 8723 32916 68155 16303* 50730* 86715*
Cladophora fracta 16393*
Cladophora prolifera 16327*
Cladophorales 32930
Cladophoropsis 50113
Cladophoropsis philippinensis 32934
Cladosiphon 213
Cladosporium 58946
Cladosporium carpophilum 16055 24201*
Cladosporium cucumerinum 8427 8537 50328 77096
Cladosporium effusum 386 428 33173 33174 58962
Cladosporium fulvum 8452 8523* 58940*
Cladosporium variable 59013
Cladosporium vignae 67931
Clairvillia 82421
Clambidae 4998 29352*
Clapp E H 8020
Clark H C 58439
Clarkia elegans 8848 50881
Clarkia exilis 68395
Clarkia unguiculata SEE Clarkia elegans
Clary oil 93894*
Clasterosporium carpophilum 60697*
Clastoderma debaryanum 16346
Claude-Bernard-Horner syndrome SEE Horner's syndrome
Clausena lunulata 9320*
Clavaria 41571
Clavaria purpurea 41566*
Clavaria zollingeri 67627*
Clavariopsis 50119
Clavaspis pituranthi 82573
Claviceps 58939 67885*
anatomy and physiology 24359*
biochemistry 9220 9313 51567 43034*
Claviceps cynodontis 439
Claviceps microcephala 67846
Claviceps paspali 9223 9224 60089
Claviceps purpurea 8542* 50372* 51513* 86826* 86836* 88148*
anatomy and physiology 51102*
biochemistry 1311 16886 16974 60317*
Clavicornia 82271
Clavidesmus 46816*
Clavidromina n g 4941
Clavidromus n g 4941
Claviger intermedius 29334*
Clavigralla gibbosa 4618
Clayey soils 2065 26088 33925 35093 43950 43986 70240 70306 78390 87552 52388* 52469*
Argentina 78346*
Australia 25478
California 70736
Canary Islands 43971*
Chad 25005*
Colombia 18397*
Finland 26336
France 61092* 61356*
Germany 38614* 43977* 44193*
Gulf States 43890
Hawaii 35144
India 78378
Italy 10446* 18027* 61148*

Item

Clayey soils--Cont
Japan 61056*
Netherlands 44132 52412 85636* 87977*
Philippines 52431 52432
Poland 70313*
Texas 10365 61271 70580
USSR 43955*
Wyoming 78310
Clayton E S 67206
Clayton Act 1914 6989 32302 56696
Claytonia virginica 16080
Clear Lake gnat SEE Chaoborus astictopus
Cledeobia 47130*
Cleisostoma 15749*
Clematis 1822 43562 495* 2306*
Clematis jackmani 60843* 89065*
Clematis viticaulis 184
Clematodes 38549
Clematodes vanduzeei 64706
Clematodina 47226
Clematodini 38549
Clemson Agricultural College SEE South Carolina Clemson Agricultural College
Cleome quinquenervia 50058
Cleonus punctiventris 38070* 46429* 73249* 82212*
Cleonyminae 47066*
Cleorina 21113
Clepsis rurinana 5391*
Clepsis semialbana SEE Clepsis rurinana
Cleptes 55910 64558*
Cleptes (Chrysocleptes) n sgen 64558*
Cleptes (Holcocleptes) n sgen 64558*
Cleptes (Leiocleptes) n sgen 64558*
Cleptes (Melanocleptes) n sgen 64558*
Cleptes (Oxycleptes) n sgen 64558*
Cleptes (Zimmermannia) n sgen 64558*
Cleptometopus 82225*
Cleranthribus 46910*
Clergymen 49482
Cleridae 55717 82271 38084*
Clerodendron phlomidis 60286
Clerodendrum serratum 59371
Clerodendrum thomsoniae 59124
Click beetles SEE Elateridae
Clidemia 32872
Cliff E P 76731
Climate and weather 24497 61288 67272 70768 76783*
Alabama 48493
and disease 28895
Australia 23827
Belgium 50150*
Brazil 86245*
British Guiana 58451
British Honduras 51790
Canada 965
China 59822*
Colorado 41220
Connecticut 32582
desert areas 67267
effects on African oilpalm 16828*
effects on agriculture 5712 15002 30326 32012 18246* 67266*
effects on Agropyron repens 25954
effects on alfalfa 16558
effects on algae 24941
effects on animals 3219* 53832* 79952* 90787*
effects on Apis mellifera 37883* 46678*

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Item

Climate and weather--Cont
effects on apples 33953 41664 24968* 51057* 77621* 87511* 87989*
effects on apricots 33891*
effects on Astragalus 68322*
effects on avocados 42688
effects on barley 42914 16672* 52707* 68800*
effects on beans 87370*
effects on Bergenia crassifolia 68533*
effects on buckwheat 59999*
effects on cattle 27701 27773 45655 62779 3469* 11711* 27581* 62762* 62839* 72248* 72274* 80020* 90939* 90958*
effects on citrus 8996 92179
effects on Coleoptera 29166
effects on corn 42660* 42661* 87673* 87939* 88389*
effects on cotton 60253 68976 42785*
effects on cucumbers 25179*
effects on Diptera 28895 73667 82447 4692* 46943*
effects on dogs 72339*
effects on ducks 54691*
effects on Fagus 18989* 44809* 44864*
effects on field crops 18335* 68560*
effects on forage plants 60567 88669 88705*
effects on forest fires 19043 26959 79380 19044* 19044* 71315*
effects on forests 18766 50613 61691 18625* 35880* 53466* 61996* 61998* 79207* 90285*
effects on fruit 69109 24171* 68572*
effects on gooseberries 69081*
effects on grain 8895* 14240* 42557* 59823* 68692* 77733* 87525* 87549* 87892*
effects on grapes 24936* 51329* 68572*
effects on grasses 42566 77520 16757* 34188*
effects on hay 74935*
effects on Hemiptera 92179
effects on herbicides 25892
effects on horses 62779
effects on Hymenoptera 29107*
effects on insect populations 4882 21032 37665 46599 55448 81430 81635 81713 12595* 12636* 46319* 50203* 92236*
effects on insecticides 46328 91951 37743*
effects on insects 5086* 29239* 64234* 87798*
effects on Juglans 318 41696
effects on Juncus effusus 86464
effects on kale 51118
effects on legumes 8860*
effects on Lepidoptera 73483 47192*
effects on Lolium perenne 59467*
effects on Mahonia aquifolium 68533*
effects on Medicago 69528*
effects on milk 65511*
effects on mite populations 37731

Item

Climate and weather--Cont
effects on mushrooms 60233*
effects on oats 52707*
effects on onions 8831*
effects on Orthoptera 5566 55995 81430 92637*
effects on peaches 77614*
effects on pears 33953 24968*
effects on peas 50650* 60063* 87811*
effects on Picea 2735* 61836* 61848*
effects on Pinus 2741 19039 35824 51213 60153*
effects on plant disease 448 473 16668 50389 58954 67945 77151 24204* 41858* 50203* 67810* 87798*
effects on plants 965 10852 16536 16809 24545 25065 25120 51215 51261 51330 60384 77490 87821 944* 8695* 35372* 35390* 42169* 42858* 50221* 60269* 64234* 68196* 68585* 68942* 69139* 69140* 76838* 77045* 77689* 87706* 87798* 87831* 87913*
effects on potatoes 16668 24863 8948* 68792* 68957* 69133*
effects on poultry 20285 63369 36968* 92966*
effects on Quercus 61834* 71302* 87206*
effects on Rhus 1057
effects on rice 51190 25131* 68526* 69147*
effects on root crops 68539*
effects on rye 59767* 59895* 60055*
effects on sheep 4168 20430 27701 27773 37173 63515
effects on soils 26013 26040 26437 51330 70467 2650* 18335* 18499* 78365*
effects on Sorghum vulgare sudanense 87758
effects on spinach 22397
effects on strawberries 51301*
effects on sugar beets 968 18474 42559 1125* 10227* 16636* 25119* 52707* 87651* 88761*
effects on sugarcane 34001 77988
effects on swine 20518 63637 37429*
effects on Taxus baccata 68533*
effects on tobacco 1185 18303* 35336*
effects on tomatoes 25179* 42481* 51273*
effects on trees 15667 16213 24545 79161 19339* 42174* 61963* 69155* 87517* 87757* 90267*
effects on turkeys 20286 28374
effects on wheat 88017 1096* 25106* 50934* 51157* 51191* 51267* 58855* 59559* 59767* 60012* 60029* 60055*
effects on wood 71617*
El Salvador 78159
Finland 9527*
Florida 49864

Item

Climate and weather--Cont
forecasting 8075 10817 32584 49870 49871 58458 67274 86242 86243 86246 94938 23826* 41684* 67685* 76769* 86239* 86240*
Great Britain 78826
Hungary 18625*
New Jersey 76775
Northeastern States 23823
Oregon 32581
Pakistan 33068
Rumania 58452*
Southern States 49867
Sweden 67273*
Texas 41690
USSR 67275* 69407*
Wyoming 32579
France 43417* 78823* 86241*
Germany 35542* 49863*
Ghana 78323 86251
Great Britain 15588 23413 86248
Great Plains 61282
Hungary 67271*
Illinois 15928
India 25065 41306
Israel 673 68161
Italy 15587* 32588* 40732*
Japan 69435* 76778*
Laos 42169*
Louisiana 15589
Massachusetts 15590 15591 23825 58454 58455 67269 67270 76776 94936
Missouri 43216
New England States 76777
New Jersey 32580 41652
New Zealand 51215 51743
Nigeria 77319
North Africa 68161
Poland 40461* 88403* 94939*
Republic of South Africa 61673 78867
South Dakota 58456
Spain 49771* 51782*
Tropics 58097
USSR 1489* 32587* 53470* 60675* 76768* 76770* 76774* 76779* 86250* 88978* 94573
United Arab Republic 68156*
Venezuela 94278*
Washington 86247
Yugoslavia 89717*
Climbing plants 88990
culture 17418 17451 60818*
Finland 17534*
genetics 756*
Hungary 69888*
India 9719
morphology 756*
Ohio 15721
varieties 1804 25785 34739 17433* 69870*
Clinch P E M 49826
Clitocybe 41542
Clitocybe martiorum 86552* 86553*
Clitocybe tabescens 16052
Clitoria ternatea 8785 24650
Clitosetethus 46844
Clitumnus extradentatus 82812*
Clivia minata 16893*
Clivina 82247
Clivina fossor 63971*
Cloaca 80714* 91571*
Cloches 10166 34572 34579 60633 69982 89149 1738* 51980* 52002*
Cloeon 73883*
Cloeon dipterum 73915
Cloniophora 32921
Cloniophorus (Yapoclonius) n sgen 92384*
Clossiana 82807*

Item

Clossiana titania lemagneni 82699*
Closterium 214
Closterium limneticum 86543*
Closterus 64342
Clostridial diseases 11311* 71823*
cattle 27721
sheep 28513 28520 28504* 37261* 46144* 54938* 91715*
vaccines 28504* 46144* 91715*
Clostridium 3088 20879 47800 74477 35187* 44062* 61195* 62415* 70332*
Clostridium acetobutylicum 48330*
Clostridium botulinum 14415 39998 47801 47802 83510 71857*
Clostridium brevifaciens 5362
Clostridium butyricum 13763* 61194*
Clostridium chauvoei 72135*
Clostridium malacosomae 5362
Clostridium pasteurianum 61194*
Clostridium perfringens 12128 28250 81174 83321 83327 90668 11311* 19795* 21844* 31300* 47928* 53967* 54943* 56416* 72218*
Clostridium septicum 36857* 72135*
Clostridium sordelli 28520
Clostridium sporogenes 74414
Clostridium tyrobutyricum 74883*
Clostridium welchii SEE Clostridium perfringens
Clot-on-boiling test 6202
Clothes moths 55530 73856
Clothing 85287* 89967*
Clover
analysis and composition 17165 39427 83957
anatomy and physiology 33971 68557 68997 16572* 24793* 59860* 77647*
breeding 60557* 60585*
costs and returns 58047*
culture 34479*
Australia 18300 25481 86766 88268 88343
Czechoslovakia 43288* 88515*
Germany
East Germany 49269* 69570*
Portugal 34510*
Sweden 12708*
Switzerland 77931*
USSR 17197* 60558* 60576* 60589*
cytology 16487*
diseases 41607 67693* 67734*
ecology 26122 87148*
feed 63597*
fertilizers 10249 61396*
Australia 52740
Florida 26304
Rumania 89763*
USSR 61390* 78688*
fungus diseases 50330* 58889* 67845* 77089*
genetics 51756* 77647*
hardiness 60261* 60557* 60558* 60576* 60585* 60589* 61390* 61396*
harvesting 43219*
hay 39436 27244*
hybrids 87402
injuries 58889*
inoculation 10080 61226

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Item

Clover--Cont
Near East 41403
nematodes 87114 16191*
New Zealand 41396
nutritive value 27655*
pest control 4628 46461*
pests 46499* 67693* 67734* 73785* 92506*
planting 43234 69624 77936
pollination 12708*
seeds 16572* 59860* 87645*
Czechoslovakia 88515*
Germany 41037*
harvesting 69562* 77954*
New Zealand 75691
pests 73222
Sweden 12708* 43219* 51756* 69562*
Switzerland 77931*
soils 61204* 61396* 69451* 89531*
Australia 69624
Hungary 87148*
Ireland 77936
New Zealand 18057
USSR 17197* 61390*
toxicity 62757
varieties 25489*
Austria 43308*
Great Britain 25416
New Zealand 41396
USSR 60557*
Wyoming 17165
virus diseases 12452 41982 50487 59112 68013
weed control 43677*
yields 59860* 60576* 61390* 61396*
SEE ALSO kinds of clover
Clover cutworm SEE Scotogramma trifolii
Clover mite SEE Bryobia praetiosa
Clover root borer SEE Hylastinus obscurus
Clover seed chalcid SEE Bruchophagus gibbus
Cloves 65348
Clovetree SEE Syzygium aromaticum
Clubroot
Brassica 50287
cabbage 89236*
Chinese cabbage 41930*
rutabagas 516
Clubs SEE Organizations
Cluj Centru de Studii Biologice 86265
Clunio 5158
Clusia 46931*
Clusiidae 64457 46931* 82437*
Clusiodes 46931*
Clusiodes (Microclusiaria) n sgen 46931*
Clusiodes (Steleoclusiodes) n sgen 46931*
Clutia 23989*
Clypea n g 64554
Clypeophialophora n g 86550*
Clythia 21206
Clythiidae SEE Platypezidae
Clytina giraudi 12976*
Clytra 12829*
Clytus arietoides 73618*
CMPP 1964
Cnemidocoptes SEE Knemidokoptes
Cneorhinini 64372*
Cneorhinus (Tretinus) 64372*
Cnephasia 5503 21417
Cnephasia gueneana 5485
Cnephasiini 82762
Cnephia abdita 64440
Cnephia crozetense 64415

Item

Cnicin 88235
Cnidoscolus 67479
Cnodalomyia n g 82382
Co-Ral SEE Bayer 21/199
Coagulase 19917 47650 93312 36218*
Coal tar 50537
Coal tar oil 19171*
Cobalomyia n g 82382
Cobalt
determination 38890* 39272* 60335* 78384*
effects on plants 42652 68529 78457 24951* 33831* 33978* 34016* 34230* 42751* 68959* 88010*
fertilizers 78384*
in animal nutrition 90560 45231*
in cattle nutrition 3397 19706 19739 20353 62697 72802 80196 27595* 80444*
in cattle physiology 36564* 72146*
in food 38890* 61152*
in goat physiology 91697
in goose nutrition 36993*
in insect physiology 73498
in plants 9120 16545* 24786* 35142* 45181* 52553* 60335* 80444* 89510*
in ruminant nutrition 90529*
in sheep nutrition 4086 20347 30252 72802 20353 54900* 91664*
in sheep physiology 28482 72839* 81074*
in soils 2102 17997 35201 70287 78410 26060* 35142* 43951* 50582* 52538* 52553* 54900* 61152* 78384* 89510*
in swine nutrition 91798* 91823*
Cobalt chlorides 91685*
Cobalt nitrate 80176*
Cobble J W 49835
Cobresia filifolia 68172*
Cobria 82225*
Cocaine 20114* 72446* 80694*
Coccidae
Africa 21277
anatomy and physiology 38310*
food and host plants 12916
Kenya 21276
parasites 81788 73294*
predators 73294* 81788*
taxonomy 21287
Coccidencyrtus 29582
Coccidia indica SEE Coccinia cordifolia
Coccidioidomycosis 20035 53936 45859*
Coccidiosis
asses 63140
cattle 11654 80270
Congo 3504*
Italy 3548* 80273*
Rumania 27738*
transmission 72189
treatment 11591 11648* 27728*
control 27408* 83981*
dogs 28004 28063 11785* 80579*
goats 72854 4138* 54936*
pigeons 54790* 63307*
poultry 3895 20220 28261 37062 80799 80805 80807 91545 11981* 20230* 28296* 28297* 63326* 63339*

Item

Coccidiosis--Cont
poultry--cont
control 11881 11936 11941 12015 20208 20235 20246 28257 28320 28343 46021 46046 91480 11660* 11982* 20217*
reviews 11935
diagnosis 12002*
France 3894*
Great Britain 91481
Hungary 46020*
Latvia 63343*
prevention 11948 28284* 46017* 80868*
resistance 63302
treatment 72643 80845 11979* 54759* 54793* 54805* 63344* 80822* 91516*
USSR 63258*
rabbits 4021 28401 37150* 37161* 72758*
Republic of South Africa 79820
sheep 28497 54946 81071 63465* 63486* 63526* 81049*
control 63490
treatment 20414* 63527*
swine 20488* 73036*
turkeys 11962
Venezuela 62421*
wildlife 28401
Coccinella 82230
Coccinella alta 82230
Coccinella quadripunctata 12797
Coccinella septempunctata 5003 5035 29362
Coccinella septempunctata bruckii 46853* 55746*
Coccinellidae
anatomy and physiology 5003 29361 38076*
reviews 38099
as pests 4645
as predators 37801 55573 46378* 46853*
reviews 38099
Asia 29384 29385 29386 55717
Christmas Island 46814*
collecting and preserving 46833*
cytology 5035 55756
ecology 55746*
reviews 38099
Great Britain 12797 64336
habits and behavior 12822 21115*
India 55733
Japan 29387 46844 46845 82286* 92371*
larvae 64381
Loochoos 46844 46845
Melanesia 82219*
Mongolia 64327
New Guinea 82220*
North America 82229 82230
nutrition 29362 55192 46853* 55746*
outbreaks 64336
Palearctic Region 92420*
parasites 73714 73793
phylogeny 55733
Poland 38142* 55569*
rearing and breeding 64381 12812* 21115*
Ryukyu Islands 29387
taxonomy 12816 55750 82229 82230 38076* 38077*
Coccinia 67452
Coccinia cordifolia 17590 77183

Item

Coccinia indica SEE Coccinia cordifolia
Coccoidea 82547
anatomy and physiology 38319 38320 73739 21271* 82516* 92493*
as pests 81754 81826*
California 12931
Canada 82549
China 37703*
control 29140*
food and host plants 64525 92527 12920*
genetics 12919
Great Britain 92491
habits and behavior 82516*
Japan 82562
nomenclature 12945 92497*
Pakistan 92492
Poland 5334* 82531*
taxonomy 21275 73739
USSR 73764*
Coccolithophoridae 50662
Coccoloba 41317*
Coccomyces 294
Coccophagus bivittatus 92568*
Coccophagus insidiator 82516*
Coccophora 50757
Cocculus 67440
Coccus hesperidum 12594 46611* 92493* 92568*
Coccygomimus maurus 21342
Cochlearia arctica 87768 16687*
Cochliobolus miyabeanus 41902* 77184* 77826*
Cochliobolus sativus SEE Helminthosporium sativum
Cochliomyia hominivorax 4458 12434 12435 39538 46397 55264 55358 81506 28860*
anatomy and physiology 64414 92448
control 55370 92037
eradication 63823 73170
Cochliostema odoratissima 33737*
Cochlospermum gossypium 94099
Cochylidae 5502 82773 21418*
Cocke J H 23773
Cocklebur SEE Xanthium
Cockroaches
abnormalities 5564 5577
anatomy and physiology 5572 21468 29780 38533 73347 73881 82854 12353* 21467* 29767* 56009*
and disease 20688 4556* 37526*
Chile 4556* 81854*
China 37781*
control 4363 4726 4732 64038 73076 73349 73353 73354 81842 92206 55539* 64041*
cytology 5554 5586 21470 38554 92638
diseases 21471*
Ecuador 92630
eggs 29773
genetics 47211*
geographic distribution 55993*
Great Britain 5581 56001
habits and behavior 5558 5570 5583 21452 73347 73879 13064* 37781*
insecticide resistance 4363 4447
nutrition 47209
oothecae 5570 29773
outbreaks 73353

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Item

Cockroaches--Cont
Palearctic Region 55993*
parasites 5557 20688 37526*
taxonomy 56001 82845*
USSR 73877*
Cocks 80701
anatomy and physiology 3897 3961 20123 36972 37101 37508 45870 45877 72462 80705 91356 91358 91371 92206 36960* 38968*
and heredity 3826
diseases 3897 20267 80714*
feeding and nutrition 11873 36971* 63216* 72674* 91365*
fertility 11870 72471 54694* 91373*
growth 3838 11873 91365*
habits and behavior 3818 3834 72456 72468 72473
records and testing 80706
Cocksfoot SEE Dactylis
Cocoa 30675 21948* 30342* 83614*
Cocoa butter
adulteration 75545*
analysis and composition 56539 14455* 40040* 56556* 75545*
chemistry 56539 93914*
processing 93902*
substitutes 7106 48751
Coconut Grove Fairchild Tropical Garden 15663 58550 58696 76879
Coconut meal 62300 80776
Coconut milk 19669 90852
Coconut oil 14497 31378 75563 75607 87571
Coconut Research Institute of Ceylon 25576
Coconuts
abnormalities 24623
anatomy and physiology 757 1149 25144 51205 8927* 68961*
bacteria 22324 93554 30943* 39639* 57418*
biochemistry 69180
Brazil 48287
breeding 9587 88863
Ceylon 25576 47636
climbing 17315
Comoro Islands 22283*
culture 43383
Ceylon 17324
India 9594 9598 9602 10236 17316 26322 26368 69718 69726
Philippines 43382 60652
Seychelles 88876
cytology 831
diseases 50235 67692 8370* 15927*
bibliographies 15918
equipment 92803*
fertilizers 50235 78691*
Ceylon 26337
Dahomey 61424 52700
India 26293
Ivory Coast 61456 52700*
Trinidad and Tobago 35313
Florida 30910
fungus diseases 8515 50389
genetics 50874
husks 56983 25769*
hybrids 25589
India 48298 48491 75061
industry 14031

Item

Coconuts--Cont
irrigation 26337
keeping quality 30732
Malaya 84398
marketing 22382
morphology 801
Mozambique 93549*
nematodes 37719
nutritional deficiencies
bibliographies 1010
nutritive value 86086*
pest control 20825
biological 4671 20843
Ceylon 12535 29077
India 67736
Seychelles 4699
pests 37719 73666
India 4698 29094 46954
Kenya 29110
Mexico 8370*
physiological diseases 8959
planting 88863 88872
policies and programs 75056 75084
pollen 1052
pollination 17322 25589
processing 14194 14561* 22283* 75178*
products 14031 14171 75056 75178*
propagation 9592
seeds 69726
situation and outlook 75056
soils 10045 10236 26052 26177 44053 52569
statistics 48491 84398
subsidies 23237
varieties 25585 51916 17320*
virus diseases 42044 59147 59148 77244
Guam 552 578
India 50474 50511 81801
Philippines 87066
waste 6654
weed control 17786 25937
yields 25589 50874
SEE ALSO Coir; Copra
Cocos nucifera SEE Coconuts
Cod liver oil 80158
Codehydrogenases 16955 34336 42934 51467 51521 55623 82827 88169 88179 88222 1351* 60311* 60321* 68645* 81473*
Codex Alimentarius Europaeus 38980*
Codiomyrmex flagellatus 73790*
Codiosoma spadix 81913*
Codium 77001*
Codium bursa 16216*
Codium phasmaticum 218
Codon n g 82517
Codotingis 5222
Coelachne 23941
Coeliccia 5624
Coeliodes brunneri 21343 82325 82637 82638
Coeliodes ruber 55563*
Coelofletium 55717
Coelomomyces 5199 46985
Coelomycetes 58811
Coelonotus 38379
Coelopa frigida 20633 21167
Coelopa pilipes 38228*
Coelopynia n g 12874
Coelotanypus 12874
Coenagriidae 5619 5620 56039* 64737* 82907*
Coenobia rufa 82692
Coenonympha pamphilus 38489
Coenonympha tullia 38454

Item

Coenurosis SEE Staggers
Coenzymes 22672 88126*
Coffea brenanii 8225*
Coffee
acids 83617*
advertising 30386 39168 39174 39219 65289
Brazil 39131* 93198*
El Salvador 39206
Europe 39149 39131*
Italy 6117*
analysis and composition 13632 21955 21982 30437 65309 74607 83688 93207 93218 93223 21973* 56535* 56545* 78264* 93212*
anatomy and physiology 1213 9152 33875 34053 60007 60059 8976* 34060* 34061* 42268* 42461* 43862* 68636* 77527* 77604* 77635* 77741* 87964*
associations 30395 13625* 30364* 89409*
bibliographies 13651*
biochemistry 34247 69164 25246*
breeding 35065* 78261*
Central African Republic 43862* 78240*
Ivory Coast 17835* 78240*
Malagasy Republic 78240*
Philippines 52358
Tanganyika 61019
care and handling 13631
chemistry 13617 65319 74610*
consumer preferences 39137
consumption 30383 39150 39192 39223 83599
Colombia 39147
Europe 30383 39188 39130*
Finland 30374 65311
France 30409 39171 7905*
Germany 30411 6103*
Great Britain 39116 6129*
India 39221
Italy 30349 39198 39129* 39130*
Mexico 39115
Netherlands 6112*
Switzerland 30350 83628*
contamination 30418
cooperatives 38962 39176* 39200* 83661*
costs and returns 15079*
credit 39152
culture 2002 25965 25997 35066* 35074* 78263* 89438*
Angola 9966 9964* 9965* 17853* 35080* 35088* 43873* 43877* 52360* 70147* 70148* 78258* 89439*
Brazil 1977* 9933* 52351* 78244* 78251*
Colombia 23310
Congo 9943*
desert areas 42107
Kenya 67679 70135
Nicaragua 70133* 78241*
Puerto Rico 17828 25990 78268
Republic of South Africa 1994
Tanganyika 61026 61477
Uganda 74993
cytology 42267
decaffeinated 6143

Item

Coffee--Cont
disease resistance 477 77169
diseases 33120*
Angola 24131*
India 24112
Kenya 15941 50174 67679
Nicaragua 86642*
Tanganyika 357
drying 39167 83613
ecology 42107
El Salvador 25975*
equipment 83183
exchanges 30398 30399 65321
fat and oil content 39195*
fertilizers 60059 35351* 78552*
Brazil 26288 78608*
East Africa 26325
India 26206
Philippines 70511
Rwanda-Burundi 61417*
Tanganyika 357
flavor and odor 65309 74586 83656
fruit set 68636*
fungus diseases 477 8516 33279 86873 8441* 77154* 77169*
Cameroun 41843* 77150*
control 58941 67884 86909 58973*
Costa Rica 77101*
Ecuador 8440*
Guatemala 16070
India 16044 33272 59040
Kenya 67884
Latin America 67928*
Philippines 52358
Tanganyika 58941 58942
germination 9152
grading and standardization 30433*
Brazil 83606*
equipment 65350
Ethiopia 83618
India 21961 65339
Portugal 83635*
hardiness 16722*
harvesting 93228*
history 89413*
industry 39133 39151 39220 56584 93251
Africa 30428
Angola 7923
Brazil 39139 47844 83651
Colombia 83622*
Costa Rica 21964
Eastern States 13633
Guinea 74615*
India 21967 65289 65331
Ivory Coast 30412 65296
Jamaica 65302
Kenya 30385
Latin America 65283 65287
Malagasy Republic 30412
Papua and New Guinea 6104
Spanish Guinea 83604*
Tanganyika 21978 30385
Uganda 30385 57960
injuries 20803 64003 41620*
irrigation 67679
judging 39143*
Kenya 17856
labor 7410*
losses 65329
Malagasy Republic 41419*

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Item

Coffee--Cont
marketing 30369 30410 39132 39196
France 39170
India 13641 21967 30408 65331
Kenya 39224
Latin America 56541
Portugal 39194
Uganda 39218
marketing quotas 83668 40967*
Mascarene Islands 41421*
moisture 13617 30406 30407
morphology 1990*
nematodes 33449 24491* 29073 50526*
nutritional deficiencies 60246
nutritive value 49713*
packing 13653
pest control 20803 28988* 46539* 63990* 92155*
Brazil 29072* 29084* 37711*
East Africa 37667*
India 30418*
Sudan 37667*
Tanganyika 357
Uganda 81624
pests 55885 29703* 46579*
Angola 81755*
Brazil 29073*
Cameroun 81802*
France 46857*
India 37740 64003
Ivory Coast 82222 73653* 92375*
Kenya 73276
Nicaragua 81800*
Spanish Guinea 81796*
Tanganyika 64019
Vietnam 5005
physiological diseases 34075
planting 25959* 25996* 78267*
policies and programs 30360 6154*
Africa 30428
Angola 56540*
Brazil 6156 6123* 6154* 56530* 83680* 83681*
India 6135 13661
Latin America 39152
Near East 39113*
pollination 34060*
preharvest drop 77635*
prices 39199 93225 93215*
Angola 6165*
control 65314 93197*
France 6164*
India 93242
support 56565
Uganda 30351
processing 6146 65319 83599 21962* 47873* 56555* 74572* 74610* 83667* 93211* 93228*
Belgium 47865*
India 65290 65291 65341 93202
Kenya 65291 74586 93202
production regions 56572
propagation 1027 1984 17839 52363 78181 89407* 89433*
properties 13631 83613 78265*
pruning 9946 61018 1990* 35077*
quality 2250* 30433*
Angola 6165*
Austria 30389
Brazil 56530*

Item

Coffee--Cont
quality--cont
Ethiopia 83618
India 21961
shading 33875 35081 61018 25980* 78263* 89438*
situation and outlook 30420 39136 39164 39205 39210 83629* 83638*
Africa 30345 74623 83658
Asia 74623
Angola 6165*
Brazil 6166* 30421* 30422* 39208* 74593* 83600*
Europe 21974
India 6108 21968
Latin America 56568
Pacific Coast States 30373
Tanganyika 30379
soils 60246 87964 2250* 53030* 89439* 89599*
soluble 21974 30340 30424 39151 39152 39163 39166 39167 39223 65337 6118* 39123* 47864* 56555*
analysis and composition 56535*
containers 39197
judging 93245* 93246*
manufacture 47872
spraying and dusting 58941 67751 81624 83177
statistics 56572 93234 93251
Brazil 47845*
India 83647 83659
Latin America 56541
Mexico 21959*
Nicaragua 30396*
storage 39186 65341
substitutes 30389 93218 21973* 56535* 83628*
surpluses 30345 39208*
taxation 13641 31742 39198
taxonomy 70139 8225* 41419* 41421*
terminology 13669 21975 30423
tests 6143 65329 83617*
trade 85991 41007*
Africa 85977
Angola 7923
Brazil 32379 6117* 6166* 15365* 39131* 40967* 41035* 47845* 67037*
British Commonwealth 40958
Canada 15362
Denmark 32379
Europe 85977 7876* 15365* 39131* 41035*
European Economic Community 41006 7882*
Finland 65311
France 6164* 7855* 7905* 58275*
Germany 32386
Great Britain 32348 41035*
Haiti 32405*
Italy 6117* 67037*
Kenya 7863 32386
Netherlands 7924*
Norway 32394
Sweden 32357
transportation 47854
Uganda 83183
utilization 2002

Item

Coffee--Cont
varieties 25986 60007 39123* 39195* 70120* 78240* 78261* 78264* 78265*
Africa 65309
Angola 93212*
Ivory Coast 17835*
vitamins 86037 49713*
waste 44534* 53097*
weed control 357 52264 78181 70061* 89328* 89340* 89342* 89397*
weight and measurement 30416 65329 65333 21962*
yields 25995 61477 70511 93228*
Coffee Annual 39133
Cognac 6126* 13654 56551* 56575* 83642* 83707* 93226*
Cohrs P 86210*
Coir 6516 30802
Coironalia n g 29707*
Coital exanthema 27782 36640 54294 62944 80296 46255* 91060* 91115*
Coix 87439*
Coix lacrymajobi 4227* 42224*
Cola 12814* 43858* 81790*
Colanuts 40783
Colaphellus sophiae 64376*
Colaspis quatuordecimcostata SEE Sternocolaspis quatuordecimcostata
Colaspoides 21113
Colchicine
effects on animals 54684*
effects on plants 745 874 881 917 990 8811 10756 16449 24705 24753 33769 34189 42296 42367 44797 50878 50898 59651 59694 68367 68477 87993 1228* 16704* 24562* 24724* 42203* 42211* 59690* 68517* 69141* 77421*
bibliographies 42338*
effects on seeds 60163 69095*
in plants 88123*
Colchicum 8183* 25688* 25731* 45623*
Colchicum automnale 50062* 88123*
Colchicum cornigerum 33950
Colchicum speciosum 59326*
Cold
effects on alfalfa 9013 9014 16779
effects on algae 42592
effects on animals 27356*
effects on aphids 5219 92200
effects on Apis mellifera 81949
effects on apples 1160 15944 51314 8951* 24934* 34088*
effects on apricots 8330* 86636*
effects on bacteria 14415
effects on barley 14297* 24146* 58863* 59969* 60092*
effects on Bombyx mori 82061 4844* 4845* 46705* 82017* 82035*
effects on cabbage 68970
effects on Camellia 25061
effects on cattle 27781 54395 74298*

Item

Cold--Cont
effects on cherries 86636 87536*
effects on citrus 8155 33060 41611 50230 58824 58834 14197* 41706*
effects on clover 60585*
effects on coffee 16722
effects on Coleoptera 37786*
effects on Coniferae 79307
effects on corn 33306* 42885* 51297 59634* 68796*
effects on cotton 25029* 33820*
effects on cucumbers 88091*
effects on Digitaria decumbens 9128
effects on Diptera 73137 73692 82365 82469 38274*
effects on eggs 91520*
effects on endive 59931
effects on enzymes 6890*
effects on Eucalyptus 44840* 79368*
effects on Euglena gracilis 42703*
effects on evergreens 50234*
effects on fruit 8340 33074 59807 8351* 24113* 24137* 42230* 42768* 50211* 50243* 58866* 60105* 67740* 69153*
effects on goats 54974
effects on grain 1177 33057 14215* 33028* 42804* 58832* 87724* 87950*
effects on grapefruit 9215 34237
effects on grapes 16791* 25181* 25673* 42674* 67724* 68860* 86605* 86691* 87784*
effects on grasses 1203*
effects on Gymnospermae 77633*
effects on Hymenoptera 5319
effects on insects 4889 29230 46739 55642 64049 82408 82483
effects on Juglans regia 69014*
effects on Ladino clover 1043
effects on Larix 77132
effects on legumes 1203*
effects on Lepidoptera 64625 21398* 55982* 64618*
effects on Lilium 58841
effects on mazzard cherries 87536*
effects on mites 29322*
effects on Morus 59907*
effects on oats 68772 59969* 86688*
effects on olives 1161*
effects on oranges 33961
effects on peaches 8330* 87712*
effects on pears 65800 51391* 87900*
effects on peas 9211*
effects on Picea 18996* 42906* 61954* 71298* 77748*
effects on Pinus 2718 35830 41630* 61954*
effects on plant disease 50305
effects on plants 327 361 1139 1189 25093 41681 42592 59927 60011 60244

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Item

Cold--Cont
effects on plants--cont
77555 87946 8939*
25013* 42616* 58882*
60225* 67722* 68683*
86625*
effects on plums 412
41790 50324 86636*
effects on Polypodium vulgare 77533*
effects on Populus 19009*
effects on potatoes 69997*
77032* 86609*
effects on poultry 72711
91536
effects on Pseudotsuga menziesii 90360 77748*
effects on Quercus 10801*
effects on raspberries 33106
effects on rats 63195
effects on red clover 9013
9014
effects on rhubarb 77609
effects on rice 935* 9147*
effects on rye 60091*
60223*
effects on seeds 1132
51043 68988 10761*
16877* 24979* 24988*
25029* 51364* 59381*
60062* 67717* 69108*
effects on sheep 81015
46143*
effects on shrubs 41584
effects on soils 35148
87178 44045*
bibliographies 2024
effects on sorghum 25056
effects on soybeans 9134*
77683*
effects on squash 57086
effects on strawberries 51301*
effects on sugarcane 1018*
effects on swine 4278
effects on tea 39212
364* 33071*
effects on Tilia americana 50929*
effects on tobacco 8967*
effects on tomatoes 33896
34034 24988*
effects on trees 10755
33046 35786 41584
79364 19038* 71304*
77748* 79369* 79372*
effects on wheat 1062
8388 24912 24913
33847 34212* 58912*
59549* 59969* 60091*
60223* 60268* 67733*
68941* 68999*
plant protection 8409
33049 33127 41676
41721 58834 58884
79307 364* 8339*
35456* 41637* 41684*
Belgium 58821*
by heating 319 58823
15872* 41702* 67729*
77045* 86610* 86723*
by irrigation 24139
58827 354* 8323*
8405* 86711* 86712*
86723*
France 41589*
Great Britain 50226
Massachusetts 33044
New Zealand 58818
77068
by smoking 351* 86660*
California 50227 58857*
costs 15964*
equipment 15960*
Finland 15875*
Florida 8345 15901
58842 77044

Item

Cold--Cont
plant protection--cont
France 33065 69705
15915* 15916* 15937*
24120* 33052* 41603*
50158* 77042*
Germany 69705 15892*
15908* 58866*
Hungary 41648* 67675*
India 361
Netherlands 58826*
Pakistan 33068
Rhode Island 8332
Switzerland 50222*
86653*
Tunisia 58867*
USSR 33124* 50254*
52138* 58831* 58832*
60283* 71300* 86639*
Washington 86692
Coldframes 13376 34579
34939 47582 78160
78169 1740* 34896*
42743* 43814* 65018*
88930*
Colenso W 15527
Coleochaete 753
Coleocornutia n g 47130*
Coleomegilla maculata 12812*
Coleophora 29736* 38511*
38513* 82660* 82798*
92572*
Coleophora alticolella 37959
Coleophora supinella 21385*
Coleophoridae 38492 29736*
38511* 38513* 47163*
82660* 82798*
Coleoptera 64369
Afghanistan 64359* 64391*
Africa 21110 92363
92376 21086* 21155*
29337* 38067* 46815*
46818* 64325* 73595*
82246* 82259* 82274*
82342* 92381*
anatomy and physiology
5006 21108 21152
29350 38069 64254
82309 82343 5019*
5020* 12827* 29356*
38064* 38149* 46831*
46839* 55606* 55744*
73603* 73629* 82320*
82784*
Argentina 5052*
Arizona 55716
as pests 55539* 81790*
91984*
Argentina 20856*
Australia 37450
Jamaica 37725
Japan 92251*
Kenya 81632 12658*
New Zealand 12465
Portugal 55563*
Switzerland 18953*
Uganda 82228
USSR 92109* 92113*
Yugoslavia 92163*
as predators 5016 5191
46990 81871 12846*
21137* 81432*
Australia 38085 38132
73632 82312 46875*
Austria 92394*
Balkan Peninsula 12817*
bibliographies 4987* 38115*
Bolivia 64337
Brazil 21160*
breeding places 38153*
47146* 64343*
Bulgaria 5037*
California 12839 29394
55748
Canary Islands 73627*
73651*
Caucasus 38117*
Central America 5014
Ceylon 29368*

Item

Coleoptera--Cont
Chile 12819
China 21113 64346*
collecting and preserving
4980 4993 5028
38104 64345 21099*
38112* 92367* 92415*
collections 12798 29384
29385 29386 21095*
46821* 46836* 46910*
82225* 92395*
Colombia 12856
Congo 21141 82283
55734* 82224* 82261*
cytology 46843
Czechoslovakia 12815*
92403*
Denmark 29392* 64344*
64365*
diseases 64241
dissemination 29351 55181*
Eastern Hemisphere 4977
Eastern States 64338
ecology 55714
Austria 82275*
Czechoslovakia 92403*
Europe 73631*
Finland 29373*
Germany 92374*
Japan 82308*
Latvia 64399*
United Arab Republic 82268
eggs 5004 82268 92139*
92357*
Ethiopian Region 38088
29333* 29354*
Europe 21111 82258*
evolution 21130 29331*
Finland 46873* 46874*
46898*
food and host plants 55567
73605 82295 91967
55736* 82275* 92391*
France 4987* 46859* 46899*
82216* 82245* 82300*
geographic distribution
38131 92377 38130*
38136* 81915*
Canada 82348
Italy 38094*
Sweden 38122*
Germany 38116* 46838*
46840*
Great Britain 4988— 4990
38109 64228 73591
73606 82278
habits and behavior 21012
55749 82343 21088*
38066* 38079* 38084*
38122* 38149* 46899*
55724* 55734* 82352*
92139*
Himalayas 12813* 21101*
history 82278
hybridization 55751*
identification 29119 64054
92212 92411*
illustrations 64369
India 46843
Ireland 4986
Italy 21088* 21109* 38094*
38128* 38136*
Jamaica 73656
Japan 12831 29359 29360
29369 29372 29387
29388 29398 38133
82209*
Kenya 73652*
Korea 21113
larvae 12807 29395 92359
29333* 38075* 92139*
92391*
anatomy and physiology
82269 82305 82331
82332 12847* 29135*
29345* 64398* 73649*
82217* 82252* 82347*
92357* 92365*

Item

Coleoptera--Cont
larvae--cont
as food 76831
development 82277*
habits and behavior 47146*
identification 38103*
North America 5040
Sweden 92400*
Madeira 73627*
Malagasy Republic 29336*
46858* 73651* 92358*
Malaya 64393
Mediterranean area 21111
82258*
Mediterranean islands 73651*
Mexico 5014 73616
Micronesia 38154 64326
migration 4976 38139*
55742*
Minorca 21124 21100*
Morocco 64349* 82285*
Near East 55727*
Neotropical Region 5043*
21159* 46909* 55764*
64355* 82215* 92419*
Nepal 64366*
Netherlands 5025* 55762*
New Guinea 82247
New Zealand 12824 82227
82336
nomenclature 21123
21158 55728 64330
73599 38135* 46908*
North America 4977
12839 29341 29408
55748 82243 82293
82294
nutrition 29348 12823*
21137* 46839*
Oriental Region 21145*
64395* 82334*
outbreaks 55591
Pacific Northwest 82271
Pakistan 92372*
Palearctic Region 21156
12829* 38100* 82334*
parasites 46870 82343
12818* 37630* 38110*
55729* 73621* 73651*
81915* 92139* 92425*
phylogeny 29395
Poland 92410* 92411*
populations 5029 21083
38081 73636*
Portugal 46813* 73600*
predators 82231 28951*
81915* 92139*
pupae 82331 64398* 82252*
92357* 92391*
Pyrenees 76817*
rearing and breeding 5021
29363 73642 12823*
21135* 21148* 38075*
Ryukyu Islands 12833
12834 29387 82237*
Scotland 5034 29339
64335 73507
South America 21114*
Southeast Asia 55717
Southwestern States 29396
Spain 29342* 46813* 73600*
Spanish Guinea 29355*
82239*
surveys 64705
Sweden 38115* 92391*
92418*
taxonomy 4977 5013
5047 29395 29408
38069 46810 46864
55750 64329 82232
82257 82293 82314
92353 92363 92377
92417 21090* 21107*
21127* 21145* 29352*
38077* 46811* 46812*
46816—46818 46820*
46832* 46880* 46908*

*Text of this reference is not in English.

Item

Coleoptera--Cont
taxonomy--cont
46910* 55758* 64325*
73598* 82218* 82240*
82242* 82248* 82267*
82317* 82342* 82347*
92343* 92346* 92347*
92348* 92350* 92351*
92383* 92395*
Turkey 46848* 46849*
46904*
types 21122
Uganda 21012
USSR 21133* 46887* 73630*
73639* 82296* 92355*
Western Hemisphere 29365
wood-destroying
Argentina 81913*
control 20875 20882
55576 4750* 29135*
Europe 38098*
Germany
East Germany 64103*
Ghana 20907
India 12660
Java 55730
Spanish Guinea 37793*
United Arab Republic
81884
Coleosporium vernoniae 33340
Coleslaw 65796
Coleus 10066 16331 16648
42312 59496 87352
9046*
Coleus blumei 60245 9047*
51020*
Coleus rehneltianus 9194
Coli septicemia 11998 28275
Colias 29664 55961 55965
Colias australis 5427 5506
Colias crocea 5427 12996
55965
Colias eurytheme 47170
Colias hyale 5427 5506
Colias paleno aias 82722
Colias philodice eurytheme
SEE Colias eurytheme
Colibacillosis 19802* 27702*
28311*
Colic 28115 90971*
Colicine 37408
Coligranuloma 20272* 37040*
Colimycin SEE Colistin
Colistin 11255* 71745*
Collaborative Pesticides
Analytical Committee of
Europe 67761*
Colladonus 47031
Collagen
analysis and composition
48610 75409 75410
31242* 31255* 48632*
reviews 57249
chemistry 31263 48612
48631 66005 66056
75398 84603 14348*
22584* 39923* 39928*
48695* 84606* 84613*
84628*
in animal physiology 54302*
in meat 31259 39912*
40000* 65994* 66004*
irradiation 66056
processing 84726
properties 6911 31263
57241 84632 84726
structure 6911 14341
39915* 84615* 84626*
84627*
Collagenase 48631 75404*
Collective farming 85502*
accounting 57992* 57993*
76229* 94474*
Czechoslovakia 85620*
Germany
East Germany 15057*
94466*
Poland 94464*

Item

Collective farming--Cont
accounting--cont
USSR 15063* 40636*
40640* 40641* 40642*
48661* 49289* 49290*
49292* 49294* 65190*
66384* 66385* 66654*
66724* 66725* 66727*
66728* 66731* 66733*
66735* 76228* 85616*
94472*
Bulgaria 31937* 66682*
China 23249 23261
40706 57988 66538
85734 31842* 40707*
costs and returns
Germany
East Germany 7671*
83517* 85485*
Poland 31951* 66636*
94464*
USSR 7650* 13487*
14988* 15018* 15112*
66493* 66616* 66632*
66637* 66654* 66673*
66694* 66705* 66725*
66738* 66757* 76090*
76141* 85319* 94523*
Czechoslovakia 57710*
57921* 66706* 85532*
developing areas 40562
Germany
East Germany 14782*
28582* 31702* 40868*
47683* 49363* 57946*
62504* 65555* 66643*
69616* 76130* 76180*
76187* 76188* 76196*
76198* 78543* 80126*
85484* 85590* 89183*
94443*
history 49231* 49251*
57910* 57931* 94448*
Hungary 5457* 15060*
31732* 47266* 49065*
49273* 76171* 76178*
85267*
Israel 23268 15005*
32022* 94372*
labor 31914* 75914* 85282*
Czechoslovakia 75951*
94194* 94241*
Germany
East Germany 23087*
57770* 75923* 94378*
Hungary 7414* 14799*
76111*
Latvia 85274*
Poland 31774*
Rumania 23080* 75919*
75921* 75924* 75934*
75959*
USSR 7428* 7444*
14742* 14745* 14755*
14770* 14771* 14777*
14804* 14952* 15051*
23110* 31763* 31769*
40368* 40378* 40396*
49089* 49103* 57758*
57775* 66447* 66450*
66451* 66452* 66457*
66459* 66468* 66469*
66478* 66481* 66493*
66705* 75910* 75911*
75925* 75928* 75929*
75938* 75945* 75954*
75961* 76603* 85265*
85288* 85292* 85314*
85315* 85317* 85319*
94225* 94228* 94232*
94243* 94251* 94258*
Latvia 23441* 83286*
legal aspects 57921* 85501*
85509* 85569*
legislation 66712* 94413*
management
Bulgaria 66634* 76194*
China 66625*
Czechoslovakia 32016*
94424*

Item

Collective farming--Cont
management--cont
finance
Germany
East Germany
7370*
Hungary 7368*
Rumania 57655*
57665* 75875*
USSR 7371* 7373*
7377* 14693* 22986*
40289* 40294* 40298*
40323* 49017* 49021*
57652* 66373* 66375*
66379* 66381* 66384*
66385* 66387* 66389*
66391* 66393* 66611*
75858* 75859* 75860*
75865* 85188* 94165*
Germany
East Germany 14973*
32000* 40573* 40589*
40604* 66613* 66639*
66692* 76082* 76099*
76104* 76108* 76197*
85485* 85486* 92879*
94367* 94378*
Hungary 7619* 31919*
49213* 76111* 76209*
94376*
Poland 31914* 31927*
31928* 31971* 64798*
66636*
Rumania 57905* 76127*
USSR 23259 49274
66635 7575* 7578*
7606* 7607* 7625*
13487* 14988* 14995*
14997* 15018* 15039*
18772* 23103* 23273*
23276* 23285* 23303*
31931* 31950* 31959*
31972* 32007* 40548*
40553* 40584* 40602*
40611* 40615* 44659*
56396* 57910* 57977*
61766* 66450* 66614*
66616* 66620* 66632*
66637* 66650* 66651*
66654* 66663* 66673*
66697* 66705* 66711*
66722* 73956* 74242*
74500* 75954* 76090*
76112* 76144* 76147*
76168* 76202* 76210*
76212* 76214* 76220*
82969* 83196* 85490*
85504* 85525* 85538*
85540* 85560* 85577*
85581* 85609* 92724*
94415* 94423* 94452*
94453* 94461*
Poland 14941* 31971*
policies and programs
Rumania 66688*
USSR 7607* 15001*
15031* 15036* 40626*
49274* 66539* 66671*
76195* 85513* 85515*
85584* 94408*
productive capacity 15023*
31951* 94424*
research
statistical methods 49290*
66636*
Rumania 76299* 94208*
situation and outlook 94418
85476* 85512* 85570*
94365*
statistics 15058* 65838*
66260* 66652* 66723*
74451*
USSR 7477 2779*
5683* 7571* 9582*
14725* 14729* 15155*
18375* 18768* 26815*
40691* 57956* 64759*
66422* 66428* 66440*
66620* 66689* 66702*
74152* 75888* 75925*

Item

Collective farming--Cont
USSR--cont
76098* 81994* 85478*
85516* 85602* 88821*
89593* 93084* 93523*
94457*
Vietnam 14980*
Yugoslavia 65899 62971*
80152*
SEE ALSO Intercollective
farm organizations
Colleges SEE Land-grant colleges; and names of colleges
Collembola
Afghanistan 5646*
anatomy and physiology
5595 82892 82915*
Austria 82873*
Azores 38579
Brazil 64713*
Canada 38586
collections 21488* 47238*
control 81576
cytology 82895
Czechoslovakia 5632
92667
ecology 5633 81576
82875*
Ethiopia 21496*
Faeroe Islands 47238*
Finland 29794*
France 56019*
geographic distribution
82134
Germany 21488* 82875*
82887*
Great Britain 5607
habits and behavior 5657
21483 5643* 38580*
India 13080
Jamaica 73889
Louisiana 47260
Madeira 38579 21487*
Mediterranean area 29781*
New Mexico 21508 38584
38585 73909
Ohio 38568
Oland 47234*
populations 5633 38048*
73910*
predators 38563
rearing and breeding 82892
research
statistical methods
82915*
Ryukyu Islands 92673*
Spitsbergen 47238*
Stromboli 29781*
surveys 5622
Sweden 38558*
taxonomy 21512 73909
21498* 32985*
Thailand 56047
Yugoslavia 29805*
Colletotrichum 50359 58783
8305* 32985* 41760*
Colletotrichum capsici 24770
Colletotrichum coccodes SEE
Colletotrichum phomoides
Colletotrichum coffeanum SEE
Glomerella cingulata
Colletotrichum falcatum 959
50256 20743*
Colletotrichum gloeosporioides SEE Glomerella cingulata
Colletotrichum gossypii 15985*
33145*
Colletotrichum gossypii
cephalosporioides 77100*
Colletotrichum graminicolum
33146
Colletotrichum lagenarium
24232 33629 24365*
50421* 59072*
Colletotrichum lindemuthianum
15983 424* 86949*
89212*
Colletotrichum lini 86888*
86913*

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Item

Colletotrichum phomoides 16033 33338 58956
Colletotrichum truncatum 58949
Collinsia 42200 50848 50849 87406 87407
Collinsia heterophylla 33769 34273 87406
Collinsiella 68231
Collodion 36338
Colloids SEE UNDER specific subjects
Colloque sur les regulateurs de croissance 24842*
Colloquia on aging 62350
Colloquium on corn and cereal resistance to insects 63897*
Colloquium on problems relative to application of radioisotopes to agricultural research 76785*
Colloquium on the relation between the soil and the vegetation 50635*
Collybia 41542*
Collybia retigera 287*
Collybia velutipes 25165 68833
Collyria calcitrator 12974
Colobognatha 38046
Colobothea 64397*
Colocasia esculenta SEE Dasheen
Colocynth 42932
Colocynth seed oil 7087*
Colombia Ministerio de Agricultura 86107*
Colombo Plan for Co-operative Economic Development in South and South-east Asia 7343
Colonization SEE Land, settlement and colonization
Color
  effects on insects 21267 38286 64412 64529 82544 92464 29262* 55308* 82352*
  SEE ALSO Chromatography; Pigments; and UNDER specific subjects
Colorado potato beetle SEE Leptinotarsa decemlineata
Colorado River Water Users' Association 61501
Coloradoa absinthiella 92510
Colorimetric tests 1962 5128 6438 9989 22335 22342 22489 26084 27119 30130 42971 43988 48796 63713 64030 65085 74701 75124 75611 78329 78333 78378 83753 83959 84071 84770 89354 93046 93470 14602* 17979* 19588* 19674* 22914* 35169* 43935* 47658* 48332* 57500* 65091* 66111* 66132* 70244* 71948* 74713* 75011* 78335* 78375* 83769* 89482*
Coloring SEE Dyes; Pigments; Stain technology; and UNDER specific subjects
Colostrum 90658
  cattle 11644 90994 3584* 19802* 72095*
    analysis and composition 3589 39261 13716* 72031* 90820*
    enzymes 19879
    feed 45551 36691*
  mice 80680
  proteins 83749*
  swine 28576 63629 81296 20538*
Colotis 47133*
Colpoclypeus silvestrii 47093*
Columbia Basin Project 40748
Columbine SEE Aquilegia
Columnea 58695
Colura 32887*
Colutea arborescens 46683
Colydiidae 82243 46887* 82254*
Colza oil 48782*
Comaroma 82180
Comatermes n g 21493
Comatricha 67624
Comb and wattles 80896*
Combelen 28711* 36903* 37371* 54421* 54555* 81330* 91230* 91254*
Combines 13260
  Australia 64882
  construction 47404*
  costs and returns 74099*
  designs and specifications 92804*
  equipment 92811 5752* 13252* 47431*
  Finland 17077*
  France 83082* 92798*
  Germany 14277* 29932* 56159* 83104* 83115* 83123* 92808* 92829* 92847*
    East Germany 43113* 74101* 83119* 88355*
  Great Britain 5751 56162
  Italy 64749*
  maintenance and repair 74132*
  Netherlands 64897*
  operation 29934 56174 83117 13262* 64888* 92810*
    Bulgaria 92848*
    Germany 64871* 83106*
      East Germany 56163*
    Hungary 29930* 74091* 92816*
    USSR 5772* 13258* 83084*
  parts 47404* 47429* 92884*
  Sweden 21611*
  tests 29937* 56183* 83097* 92796* 92826* 92857*
  Tropics 5742
  USSR 13255* 29947* 29957* 47420* 74106* 74112* 75037* 92795* 92800* 92842* 92854* 92900*
Combretum 32761 33728
Combs in apiculture SEE Honeycombs
Cometox 46635*
Comfrey 8218 91821*
Comicus 82834
Comitato Nazionale per l'Energia Nucleare Rome 76816
Comite Interamericano Permanente Antiacridiano 63728*
Commelina 32742 41369
Commelinaceae 8774 32742 24029* 33737* 50069*
Commelinantia 50069*
Commercial Feed Control Act of 1957 (Texas) 39420
Commercial Seed Analysts Association of Canada 84970
Commercial Seed Technologists 84976
Commission Internationale de Lutte Biologique 4865* 4868* 4872* 4874* 4900*
Commission Phytosanitaire Interafricaine 33036*
Committees 65273
Commodities SEE Agricultural products; Raw materials; and names of commodities
Common cattle grub SEE Hypoderma lineatum
Common malaria mosquito SEE Anopheles quadrimaculatus
Commonwealth Agricultural Bur 23829
  Review Conference 23830
Commonwealth Bur of Animal Health 62354
Commonwealth Bur of Dairy Science and Technology 47897
Commonwealth Dairy Produce Equalisation Committee 31909
Commonwealth Mycological Conference 41539
Commonwealth Mycological Institute 16082 41541 41545 41922
Communications 7820 15192 23464 49872 66911 66939 76416 23459*
  Canada 67026
  Ghana 83446
  New York 49854
  Wisconsin 58127
Communism and agriculture 66597 75853 66656* 66709*
Communities 15175
  centers 32160 49440* 76377* 85820*
  Germany 58124* 76376*
  group activities 32147 94627 94629 94630 94634
  Japan 40793 76366
  Mississippi 85821 85903
  Nebraska 94616
  Ohio 40420 66500
  planning 7740 7783 23443 23452 57733 58231 66896 85819
    Brazil 40790
    Colombia 85817
    Connecticut 40753
    developing areas 23379
    Germany 40791*
      East Germany 7741*
    India 32149
    Maryland 94602
    Missouri 58081
    North Carolina 23440 23450 23451
    Pennsylvania 23444
    Utah 49429
  programs 14824 23442 31825 40794*
  services 32146 85934
  South Dakota 7726
  Tennessee 85821
  Washington 49504
  SEE ALSO Villages; and SUBHEAD community UNDER Forests; Pastures and meadows
Community Development Programme (India) 66953
Compañia Administradora del Guano (Lima) 26651*
Compañía Salvadoreña de Café 13625*
Comperiella 29582
Competition 5968 6611 6878 13465 38946 38950 38963 48361 83383 83385 85988* 93065*
Complan 90836
Complement fixation 3451 20009 20196 36309 36802 37013 45374 53836 54268 54365 54409 54414 62886 80629 80880 91828 3433* 4288* 11264* 11704* 19455* 19519* 27392* 27460* 27710* 27740* 27866* 28526* 36583* 36742* 36901* 45280* 45781* 45852*
Complement fixation--Cont 46131* 53870* 53932* 53934* 71746* 72452* 90604* 91137* 91871*
Complexiметry 2097* 10043* 35140* 47673* 52494* 70882*
Compositae 32752 58621*
  Andes 8199
  biochemistry 88197
  Brazil 58626*
  Cameroun 67404
  Canada 32805*
  Comoro Islands 32785* 86452*
  cytology 8779 42223 87325
  fungus diseases 86579*
  Great Britain 8243 86500
  India 23983
  Japan 130*
  Malagasy Republic 32785* 86452*
  North America 15789
  Oklahoma 41462
  pests 21324 64442* 92666*
  pollen 68394*
  taxonomy 15782*
  USSR 32724*
  West Africa 8190
Composition board SEE Fiberboard; Particle board
Composts 9986 10157 35611 53100 61373 61453 79037 10301* 52772* 61383*
  analysis and composition 35610 61666 18614*
  application 8943* 35615* 38680* 44286* 89635* 89759* 89957*
  Austria 70534*
  bibliographies 70932
  chemistry 70927
  Czechoslovakia 18620* 79042*
  Estonia 26105*
  Germany 10509*
  history 70915
  Japan 35831*
  microorganisms 26647* 70915* 70917*
  Netherlands 89952*
  Poland 44151*
  preparation 2536 2537 10506 26653 38048 53096 53098 61665 61668 79031 79044 2534* 70926* 79034* 79036* 83295* 90228*
    Canada 70916 70920
    Czechoslovakia 79040*
    equipment 90158 38680* 44535*
    Finland 18619*
    France 52718*
    Germany 26655
      East Germany 66957*
    Great Britain 10504 18617 35341
    Hungary 89961*
    India 2254 10510 61669 79048
    Japan 70924
    Massachusetts 10514
    Peru 79035*
    Scotland 53099
    Switzerland 2533
    USSR 26657* 35615* 44006* 53094* 79046* 89957* 89958*
    Vietnam 70918*
  Republic of South Africa 35609
  storage 79048
  Taiwan 35396*
  USSR 10223 26201* 44185* 78554* 78596* 89707*

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Item

Compound 10073 62861
Compsocryptus 38417
Compsolacon maklini 92397*
Compsopogon 32923
Compsopogon coeruleus 59489
Compsopogon leptoclados 32924
Comptonia peregrina 77558
Compulsory deliveries SEE UNDER Markets and marketing
Computers SEE Data processing equipment
Comstock mealybug SEE Pseudococcus comstocki
Conanthalictus 5328
Concentrated Steffen filtrate 80175
Conchitella n g 73632
Conchotingis 5221
Concrete 2411 5830 12620 13378 38601 38837 65022 65023 73035 74333 79590 5672* 19106* 19112* 30032* 38597* 44925* 47585* 47586* 65021* 71387* 74330* 78862* 92992* 92993*
Condiments 93206 30253* 47646* 56334* 85974*
SEE ALSO Aromatic plants; Spices; and names of condiments and condiment plants
Conductometry 34216
Condylostylus 21196
Confectionery 7106 13499 58329 86082 6006* 46624* 55539*
Confédération Européenne de l'Agriculture 15300* 31865* 32239* 85907* 85988*
Confédération Nationale de la Famille Rurale 58146* 85906*
Confederazione Nazionale dei Coltivatori Diretti 85908*
Conference Economique des Pays de la Zone Franc de Mediterranée et d'Afrique 32353*
Conference on Antimicrobial Agents 32485
Conference on Cottonseed Protein for Animal and Man 93898
Conference on Dutch Elm Disease 50289 50290
Conference on Economic Regionalization 66319*
Conference on Natural Resources and Economic Growth 31804
Conference on Potato Virus Diseases 41983
Conference on Rumen Function 53852
Conference on Soybean Products for Protein in Human Foods 48749
Conference on Water Decisions in the Critical 60's 2396
Conference on Water Research in the University of California 2397
Conferences and congresses 31785 31804
  Australia 14810
  Belgium 94708*
  California 23197
  Canada 57869 85341 85434 67145*
  Europe 32239* 85907*
  Far East 23155
  Germany 40480* 40531* 49136*
    East Germany 76130* 76196*
  Great Britain 23191 23192
  Great Plains 14872

Item

Conferences and congresses--Cont
  Hungary 85409*
  international 7501 49860 49861 58449 86237 40256* 46669*
  Italy 7362* 7469* 7516* 7525* 7528* 7529* 7554* 14733* 40440* 40443* 40489* 49175* 75973*
  Nebraska 31859
  New Zealand 94306 94327
  Pennsylvania 86118
  Peru 94288*
  Rhodesia and Nyasaland 85575
  Southern States 75970
  USSR 23205 85392* 85393*
  Virginia 7561
Conferenza Nazionale del Mondo Rurale e dell'Agricoltura 7516* 7525* 7528* 7529* 7554* 35452* 40440* 40443* 40489* 49175* 75973*
Confused flour beetle SEE Tribolium confusum
Confusodyenmonus SEE Dyenmonus (Confusodyenmonus)
Congea 8234
Conglutinant complement absorption test 11560*
Conglutinin 80685
Congodastus n g 21155*
Congress of British Entomologists 81354
Congresso Estadual de Cooperativismo (Sao Paulo) 85926*
Coniceromyia 82360
Conidera SEE Cylindera (Conidera)
Conidiobolus 50125
Coniferae 2651*
  anatomy and physiology 2865 50829 50967 51326 60247 73519
  biochemistry 34299 51472
  breeding 71217* 79320*
  Canada 53368
  China 53116
  clear-cutting 50648*
  cones 10705 90197 19025* 26915*
  coppice 44726*
  costs and returns 61754*
  culture 17514
    conferences and congresses 90241
    Great Britain 90128
    Italy 79139* 90163*
    Norway 52051* 61944*
    Republic of South Africa 53275
    Rumania 61754*
    Scotland 90219
    USSR 18892* 26844* 61906* 90200*
  diseases 67700 86611 8511* 67696*
  ecology 680 50648* 87138*
  fertilizers 53323 79233 35807* 61863*
  Florida 60247
  fungus diseases 41829 50340
    control 503 16030 33193 41844 16047* 86818*
    Czechoslovakia 16019 86898
    France 59016*
    Germany 8511*
    Lake States 86732
    Netherlands 50315*
    New Zealand 41847

Item

Coniferae--Cont
  fungus diseases--cont
    Spain 33324*
    Sweden 50392
  germination 503 26871 79296
  growth 79624 90104 18871* 61863* 79153* 79342*
  hardiness 42705* 52051*
  harvesting 53528 27006*
  identification 8210 53426
  Illinois 23978
  injuries 10853 79307 8511* 12655* 61983*
  introduction 2685 71087 2907* 44739* 79221* 79223*
  Japan 41490
  litter 90187*
  measurement 2621 18831 90104 79153*
  Mexico 44837*
  morphology 50658
  mortality 2861 10853 61906*
  needles 12166* 77392*
  Netherlands 1942*
  Norway 71480*
  Pacific Northwest 8210
  pest control
    biological 64079* 64090*
    Japan 46643*
    Scotland 55558
    USSR 20903* 81873*
  pests 29153 37811* 46660*
    Canada 64063
    Germany 8511* 12655*
    Great Britain 4717
    habits and behavior 29393* 73371*
    Italy 67696*
    Japan 73376*
    outbreaks 81869 37834*
    USSR 29158*
    Washington 55589
  plant parasites 16686
  planting 18923 35779
    Belgium 61905*
    Tropics 61965*
    USSR 61906* 90200*
    Yugoslavia 44726*
  policies and programs 44586*
  pollen 740 77412
  propagation 26894 71243 35823* 53389* 90233*
  pulpwood 2968 36042 53640 2907* 45079* 79542*
  release 53320
  seedlings 2861 35788 51326 53426 79307 86732 79342* 86818* 90204*
  seeds 503 2732 26871 18951* 61944* 79320* 79333*
  sites 79233 19005*
  soils 16239 79233 19011* 44726*
  taxonomy 41490
  thinning 90149
  Tropics 61965*
  underplanting 71253
  USSR 42705* 53378* 90131*
  varieties 52034
  weed control 44748 67700 71151 10778*
  wildlife relations 26935 53528 61983*
  Wisconsin 60247
  wood 2882 11116 19163 26988 53714 62010 71585 71602 79624 90487 2849* 2878* 19286* 27050* 27195* 35944* 36132* 44954* 45155* 62202* 71421* 71485* 90451*

Item

Coniferae--Cont
  yields 44713* 79138* 79153*
  SEE ALSO Evergreens; Trees; and names of trees
Coniferales 15790
Coniochaeta 248
Coniophora cerebella 19189 62086 43009*
Coniopterygidae 5655 5658
Coniostola n g 73816
Coniothyrium 58780* 58781*
Conium maculatum 42955
Conjunctival test 91339*
Conjunctivitis
  cats 3710
  cattle 80406
  dogs 80580*
  man
    reviews 37005*
  poultry 11967* 11997* 37058* 72687* 72688* 80882*
Connaraceae 50655
Connecticut Agricultural Experiment Station 78549 86267
  Tobacco Laboratory (Windsor) 31620
Connecticut Nutrition Council 7934
Connecticut Pomological Society 9611 78030
Conocephalum conicum 32955
Conochironomus n g 12874
Conocybe aberrans 67649*
Conoderus falli 4607 55719
Conoderus vespertinus 64390
Conophthorus 21119
Conophthorus coniperda 4999 5000
Conophyma 38528
Conopia 47206
Conopidae
  Australia 5074
  Great Britain 55820
  habits and behavior 46955
  parasites 5036 38369
  Rumania 38160*
  Sweden 38170
Conopodium denudatum 42117*
Conops 5074
Conops strigatus 38170
Conosimus 46994*
Conostylis 41387
Conotrachelus 73616
Conotrachelus aguacatae 81778*
Conotrachelus anaglypticus 37762
Conotrachelus nenuphar 12582 12607
Conotrachelus perseae 81778*
Conotyla 29301
Conotylidae 29301
Conseil National des Ingénieurs Français 13104*
Conservation SEE Conservation farming; Soil conservation; and UNDER Forests; Natural resources
Conservation farming 26607 53062 85552
  Great Plains 26606
  Pennsylvania 57928
  Republic of South Africa 40627 61596
Conservation Reserve Program 6073 6093 13569 31849 40420 56525 66500
Consistometer 90973
Consolidated Badger Cooperative 32271
Consorzio Nazionale per il Credito Agrario di Miglioramento 75871*
Constipation 11744
Construction SEE UNDER specific subjects
Construction materials SEE Building materials

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Item

Consumer education 5957 5971 13456 13509 30155 38919 47680 56365 56374 56376 65108 65586 75413 83412 38913* 49686*
Consumer research 13486 13769 30150 38998 56364 56367 56373 56375 66019 74499 83374 84231
Consumers
attitudes 21835
preferences 30160 47746 56375
conferences and congresses 56368
surveys 5951
SEE ALSO SUBHEAD consumer preferences UNDER names of commodities
Consumers Cooperative Association 32283
Consumption 56364 56366 56369 56393 56395
Europe 6086
Germany 30192*
India 30153
Italy 94748*
Japan 13453*
Norway 31795*
Poland 21804* 65105* 74446*
SEE ALSO UNDER specific subjects
Contagious agalactia 20369* 54917* 72829* 81035*
Contagious ecthyma SEE Sore mouth
Contagious pustular dermatitis SEE Sore mouth
Containerization 5966 6930 14121 21859 39014 47755 47756 48381 48419 83431 84238 84242 84254 84269 93615 93832
Containers 47760*
aluminum 6688 56437 84298 84301
aluminum foil 6018 56435 83498 30613*
antioxidant impregnation 57150 83502*
coatings 74834 74840 83505 83874
consumer preferences 31633 75174
fiber and fiberboard 6536 21861 30983 84308
glass 6015 6050 13826 21894 65813 6333* 6334* 39065* 48743* 57328* 75193* 83870* 83875* 93376*
grading and standardization 74837 39008* 48018*
insectproofing 4721 39524 55535
laminated 93108
moldproofing 93605 93606
paper and paperboard 6010 6017 6336 13821 65764 74836 83497 83499 83505 83868 83874 83876 93377 7317* 13822* 13824* 14125* 56723* 65771* 85027* 93380*
plastic 6018 6336 6337 13653 14540 21856 22077 30257 30618 31060 31301 39009 56438 57108 63709 65182 65778 65788 65791 66171 74841 74843 75169 75619 83503 83506 93108 93112 93115 93377 93590 13824* 30615*

Item

Containers--Cont
plastic--cont
39004* 39341* 39343* 39344* 39346* 39724* 47759* 48023* 48758* 56441* 56722 56723* 57286* 75452* 83492* 83493* 83502* 83869* 83871* 83872* 83873* 84306* 84352* 84716* 84891*
regulation and inspection 56436 93109 74497*
sanitation 83497
tests 45040
tin 47758 65184 83409 83495 39005* 39006* 39010* 56440* 74495* 75166* 93104* 93107* 93113*
waterproofing 57466
wire-bound 14000*
wood 19250 30983 35955 45042 48417 79503 79520 83581 90342 90489 93612 93616 14199* 27110* 45039* 45041* 47753* 79119*
SEE ALSO kinds of containers; and UNDER specific subjects
Contarinia 12464
Contarinia constricta 21170 64410
Contarinia cuniculator 21170 64410
Contarinia mali 55513*
Contarinia medicaginis 29444* 46493*
Contarinia nasturtii 81718
Contarinia oregonensis 29433
Contarinia pisi 46428
Contarinia pseudotsugae 21170 64410
Contarinia pyrivora 12553
Contarinia sorghicola 12499 12875
Contarinia tiliarum 64107
Contergan SEE Thalidomide
Contests 57864* 66573*
SEE ALSO UNDER specific subjects
Contipus instabilis 73652*
Contouring 44493 61047 53030*
Australia 2494 61612 78924 89914
Rumania 78959*
Contraceptives 21219
Controlled Environment Research Laboratory 87821
Convallaria majalis 42196 13254* 17494* 62915*
Convegno Nazionale della Risicoltura 60404*
Convegno Ortofrutticolo Triveneto 93533*
Convegno sugli Anticrittogamici Acuprici 33276*
Convegno sui Problemi Olivicoli della Fascia Litoranea Toscana 22664*
Convención Nacional de Asociaciones de Agricultores (Peru) 94288*
Convenience foods SEE Food, processed; and kinds of food
Conversion tables for agricultural products 13497
Conveyors 53540 82979 38690* 73946*
Germany 29838* 57155*
East Germany 73975*
parts 74134
types 5687 64784 74000 31185*
Convolvulaceae 1997 41470 67519
Convolvulus 17738 32861 67381

Item

Convolvulus arvensis
anatomy and physiology 16638
control 9903 17821 25955 89401 9876* 9924*
cytology 68455
feed 45209* 79689*
Convolvulus microphyllus 67417
Convolvulus sepium 32861 25152*
Convolvulus silvatica 32861
Conwentzia pineticola 38593
Conwentzia psociformis 38593
Conyza 58586*
Cook J 58506
Cookeina colensoi 33019*
Cookery 7946 67114 31217* 49711* 83548* 83549*
large quantity 15429 21904 58341
meal planning 7951 15420 15455 23683 32448 32459 49690 49703 86036
recipes 9838 15440 23647 23652 23653 23654 23662 23668 23670 23673 23684 32431 32449 32450 41055 49670 56336 58336 67114 67122 67126 67127 76592 85809 86056 67125*
study and teaching 56336
SEE ALSO UNDER names of commodities
Coomb's test 27710* 27850*
Cooper Pocket Guide 53855
Cooperage SEE Containers, wood
Coöperatieve Boerenleenbank "Ruurlo" 76470*
Coöperatieve Dorpsvereniging "Ruurlo" 76470* 85927*
Coöperatieve Melkcentrale 83824*
Coöperatieve Stoomzuivelfabriek "De Volharding" 76470*
Cooperation
Finland 53213*
Germany 94722*
international 11351 32299 49661 49704 65283 75084 76832 87038 18646* 31879* 33014* 41688* 44573* 44651* 58448* 86651* 86601* 93022* 94713*
Scandinavia 81954*
Sweden 53217*
Switzerland 76483*
USSR 10440* 15155*
USSR bloc 25271* 32305* 94935*
Cooperativa Algodonera Salvadoreña 6476* 48185*
Co-operative Federation of Western Australia 49551 49568
Co-operative Forestry Society (Scotland) 79075
Cooperative Grange League Federation Exchange 23554 58213
Cooperative League of the U S A 7821 58211
Cooperative organizations 23555 23557 32189 32260 32276 32281 32304 32306 32308 40907 40908 40920 67002 85928 85934 15324* 23252* 32095* 32263* 32268* 40620* 76118* 85941* 94729*

Item

Cooperative organizations--Cont
accounting 32300 32322 32331 32335
advisory services 58233 67007
Angola 23553*
apples 6661 14074
areca nuts 75146
Asia 23575 15327*
Australia 15330 49551 49568 58224
Austria 15319 49561* 85933*
avocados 14081
banking 85230* 85238*
Belgium 23566* 49548*
bibliographies 15335 94726
Brazil 40923* 40929* 49550* 49552* 49553* 49559* 67014* 75426* 85672* 94721*
British Guiana 49549
buildings 38785
Bulgaria 36921*
Cameroun 58215*
Canada 7827 15313 15323 23573 32269 32282 32293 32336 66991 67018 67019 76467 76474
cattle 31269 40566* 54476* 66031*
cattle breeding 62567*
cattle feeding 72051 27662*
Ceylon 76469
cherries 39672
Christmas trees 36105*
citrus 6667 14085 38946 39688 48389 57001
coconut processing 14194
coffee 38962 39176* 39200* 83661*
Colombia 66997*
conferences and congresses 32259 40927 40928 58222 58232 66998 94723 58223* 85926*
consumer 21837 23567 32258 32265 32266 32279 32283 32303 32312 32315 32320 32324 32333 38912 38948 58213 66405 85929 66990*
Ceylon 83411
France 66666*
Germany 32267*
Great Britain 49527 49567
history 67005 67010
India 49555
Japan 23562
Louisiana 58227 85939
Malaya 83447
Missouri 32272
Netherlands 49558* 78744*
New York 23554
Norway 93067*
Poland 67016*
Texas 22176
copal 11053
cotton 6465 22184 39576 56920 65593 6476* 48185*
cotton ginning 22176 39576
cottonseed processing 57372
credit 7381 14698 40308 57673 85207 85210 31712*
Brazil 14703
Denmark 14706
India 7391

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Item

Cooperative organizations--Cont
credit agencies 23023 23024 23034 31711 85212 85241 49030* Burma 66412* Denmark 40303* 40305* Fiji 14702 Germany 23008* 57700* 85204* Great Plains 7392 India 49033 75146 Indonesia 66413 Middle Western States 7392 14714 Netherlands 14709 Puerto Rico 23001* Sweden 31700* 57695* Switzerland 57686* Taiwan 85243* Tunisia 85238* Turkey 57699* United Arab Republic 14701 Vietnam 15342
Czechoslovakia 66995
dairy industry 5980 6268 6274 6281 13779 22043 22045 30548 30549 30550 30554 30555 30562 30566 30568 39305 39309 40572 47963 56676 56686 65446 83830* Argentina 74800* Australia 47972 California 74774 Denmark 14706 Finland 93351* India 30560 65445 65456 Netherlands 23377* 74656* 83824* New York 6264 83834 New Zealand 6262 6275 6278 6282 30547 74785 83832 93348 Norway 74786* Ohio 30545 Poland 83712* 83839* Sweden 83838*
Denmark 85924 23497*
developing areas 58218 15327* 85930*
dictionaries 58226*
directories 40912 58229 76500
East Africa 15337 15338
Ecuador 23572*
egg processing 31471
eggs 5980 22766 31430 31461 31473 40113 57435 75664 84872 7143* 22772* 57432*
electricity 30093 30099 47603 74365 83289 83283* 83287*
equipment 56075 13136* 64760*
Europe 32293 32001* 49565* 85938*
European Economic Community 15325* 31787*
farming 31934 31946 31964 31981 31990 31998 31926* 85925* 94446* France 85565* Germany 49249* India 31913 31997 32003 32005 49225 66674 85524 85541 85571 94402 Italy 76192* 85480* Japan 49230* Korea 85608* Sweden 85563*

Item

Cooperative organizations--Cont
farming--cont Tanganyika 40618 Tunisia 85618* United Arab Republic 31984*
feed 56820 93454
feed milling 30705 74900
feedlots 72051
fertilizers 2524
field crops 38962 65111
Fiji 15317
finance 15329 32273 32283 32332 32340 66992 66993 32338*
Finland 58207
Florida 67009
food 47706 13485* 38884*
forest products 38962
forestry 79075 26721* 90034*
France 40916* 69816* 76498* 94720*
fruit 6658 6662 6664 6666 6669 14082 30977 39681 48391 57006 65686 30986* 83407* California 57008 75131 Denmark 39691* 75132* Germany 14094* 22370* 30969* 57004* Great Britain 48367 Italy 93582*
fruit conferences 6672
fruit storage 14163*
Germany 23576* 32291* 40922* 40947* 76464* 76501* East Germany 15336*
Ghana 76476
grain 6765 22462 31134 31197 39829 48537 57144 65892 65946 75290
grain elevators 6787 14267 22176 39789 75331
grapes 75144
Great Britain 15309 40913 76500 85924
Greece 40899 58225*
greenhouse culture 66715*
Haiti 23572*
history 15314 40934 40945 56676 58211 67017 94730 49562*
Hong Kong 76481
India 7825 7831 15340 23552 32301 40847 40932 58220 76486 94297 58212*
Indiana 58221
insurance 75903* 85250*
Iran 15310*
Ireland 15328 40913
Israel 15308
Italy 32295 15341* 23558* 23571* 32261* 32323* 49564* 58216* 76468* 76493* 76495* 94724* 94725* 94731*
Jamaica 76471
Japan 23562 40917
Kenya 32307
Korea 94728
land settlement 40697
Latin America 7818 49566 15312* 94732*
legal aspects 5967 32302 32317 32327 49557 58228 85942*
legislation 32318 40925 76494*
lemons 22376
livestock 31266 31271 39952 57253 66029 66030 75426* 84666* 93840*

Item

Cooperative organizations--Cont
livestock--cont California 6923 India 79970 Italy 66670* Ohio 75430 Wisconsin 6939
locker plants 47809 65247
Malaya 49560
management 6281 7816 7830 22462 23023 23551 30548 30554 30566 32255 32256 32257 32264 32274 32288 32289 32326 32328 40900 40904 40914 40918 40933 40935 40937 40938 40942 40949 49554 65119 65737 66996 66999 67001 67004 67011 67020 76478 76482 76496 76499 7828* 66990*
Germany 23570* East Germany 76487*
India 32005
Italy 76466*
Kentucky 7817
Louisiana 58228 85940
Missouri 23561
marketing 5967 21831 21837 30170 30172 30178 30193 30194 30216 32369 38941 38961 38968 38973 56387 65137 74459 74475 83399 83429* Austria 83400* Ceylon 83411 Denmark 39228* Europe 30200* Florida 65119 Germany 93082* Great Britain 74464* India 74458 83416 Malaya 83447 Nepal 83435 Pakistan 83430 Singapore 83394
meat 40999* 84655* 84663*
meat packing industry 14408
membership 6662 32262 32278 32298 32311 32314 40902 40904 40905 40906 40909 40927 40928 40931 40936—40939 40942 40944 40948 40950 40951 67003 67015 67020
mergers 32302 32327 40904 40906 49556 49557 75430
Michigan 76488
Netherlands 76470* 76491* 85498* 85927*
Northern Ireland 15326
Norway 58208 31675*
nursery stock 94113*
olives 84787*
onions 75064 84248
Pakistan 58209*
peaches 48357 65772
pears 39673
Pennsylvania 85935
Peru 85937* 85943*
petroleum 23567 85932*
policies and programs 7832 7835 14938 23574 32284 32286 32299 32309 32334 32337 58218 67012 76463 Canada 23565 58230 Europe 23579

Item

Cooperative organizations--Cont
policies and programs--cont India 32297 40924 40943 Italy 76465* 76472* 76477* 76490* 76497* Thailand 40418
poultry 66178 75624 57406*
poultry meat 7153 40113
processing 39079 56474 74523 39030*
public relations 7769 7783 7820 15315 15320 15334 15339 23568 23569 23577 30545 32277 32319 32325 32339 40900 40901 40911 40946 40951 40953 40955 49563 58236 74365 58219*
publications 40910
rabbit meat 6919
refrigerated warehouses 30295
Republic of South Africa 15311
research linear programming 32264 66633
rice 83407*
Sarawak 94153
seeds 84981
services 23550 23559 23563 23564 23578 30165 30207 32265 32329 32330 40919 32275*
Sicily 40903
silage preparation 19378
situation and outlook 7821 7822 15307 15318 15321 32270 32280 32285 32292 32296 32316 40915 40921 40952 58231 58235 66989 67008 67013 76473 76480 76485 76499 58136* 66559* 76492* 94736* Africa 15316* Colombia 58234* developing areas 14859 European Economic Community 94727* Germany 67006* Ghana 23560 Iowa 15322 Italy 7824* Nevada 23549
Southern States 32294
Spain 15331 58210* 85931*
statistics 7823 58217 67000 76475 Great Britain 7819 India 7829 23552 North Dakota 40930
study and teaching 32287 32290 32321 40926 94733 40941* California 32313 France 85936* Germany 76489* India 66994 Oklahoma 32310
sugar beets 5980 84997
sugar manufacture 66213
sugarcane 83407*
sunflowers 75608*
Sweden 58219* 76479*
swine 31220
swine feeding 72961*
Switzerland 7826* 40954* 94734* 94735*
Tanganyika 41136 76484 58214*

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Item

Cooperative organizations--Cont
taxation 31743 31746 31751 40357 66437 66438
Denmark 14741
India 75905
Ireland 40362
Sweden 14741
tobacco 7297 22912
tomato processing 39762*
transportation 38928 65114
Turkey 15332
turkeys 31427 31460 31482 31611
types 23580*
Uganda 7833
vegetable conferences 6672
vegetables 6658 6662 6664 6666 6669 14082 39681 48391 65686 65737 30986*
Germany 14094* 22370* 57004*
Great Britain 48367
Italy 93582*
Middle Western States 22381
Venezuela 7834* 40940*
Vietnam 15342
walnuts 6656
West Africa 49547*
wine 14649*
wine manufacture 13627* 39128* 65284* 65316* 83621*
Wisconsin 32271
wool 22242
yearbooks 15333
Cooperative State-Federal Brucellosis Eradication Program 79846 91073
Cooperative State-Federal Tuberculosis Eradication Program 79881
Cooperia 15738
Cooperia spatulata 80326
Cooperstown N Y Farmers Museum 23522
Copal 11053 71542
Copelatus glyphicus 55757
Copenhagen Universitetet Botaniske Have 23860*
Copenhagen Veterinaer-og Landbohøjskole 86255*
Copernicia hospita 22689
Copidognathus 21074
Copidognathus fabriciusi 82168
Copidosoma 47076*
Copper 13973 57363*
determination 93199 13441* 47669* 73384* 93050*
effects on algae 51022
effects on cellulose 71587
effects on fungi 25145
effects on insects 82445
effects on plants 1117 8421 24907 33914 51023 59935 60053 68898 9039* 9040* 25235* 33830* 33939* 41641* 42751* 42759* 51199* 60040* 68666* 68755* 86787* 86946* 87345* 80823*
effects on yeasts 77752
fertilizers 18596 42759* 52690* 78384* 78632*
carrots 61421*
Echinochloa frumentacea 44287
field crops 18367*
grain 52711*
oats 89762
pastures and meadows 78707*
sugar beets 2347*
wheat 77530 2347*

Item

Copper--Cont
fungicides 8539 31495 33231 41795 58941 67827 77175 86909 16087* 24338* 33234* 41747* 86946*
in animal nutrition 45231* 79717*
in animal physiology 45269*
in blood 36681 72098 62833*
in butter 30511* 47925* 74740*
in cattle nutrition 3344 19771 28448 46125 62897 72003 81023 19732* 72072*
in cattle physiology 27707 72157 19789* 36599* 62912* 90979* 91069*
in cellulose 71581*
in dairy products 30536 47940* 83917*
in duck physiology 3888
in fats and oils 93930 93915*
in food 93050*
in grapes 30955*
in insect physiology 20579
in malting 39843*
in milk 6290 11438* 19732* 39274* 47978* 65473* 74712* 83917*
in plant nutrition 77523 25012*
in plants 16101 16507 25231 42619 51321 61130 74897 81023 81112 91692 7323* 24786* 35142* 51565* 52553* 60030* 78357* 78362*
in poultry physiology 3888
in sheep nutrition 4086 28448 46125 72003 81023 54899* 54921* 63483*
in sheep physiology 37277 72839*
in soils 52497 35142* 35164* 43951* 52520* 52538* 52553* 53886* 54899* 54921* 61134* 78384* 86787* 89501*
Australia 51023
Belgium 41641*
Congo 50582*
Connecticut 61130
Germany 26060*
Great Britain 41795
India 52531
Ireland 44234 77523 89494 89495
Japan 51321
Netherlands 10029* 10165*
USSR 51199* 60030* 78357* 78362*
in swine nutrition 4200 28574 55025 81192
in swine physiology 4200 46257 81252 20497* 91794*
in wine 30955*
in wood preservation 2859
residues 31495 67827
toxicity 37343 46129 81112 91709 36302* 63539* 72869*
Copper acetates 50304*
Copper acetoarsenite 72883
Copper-ammonia cellulose 71581*
Copper chloride 58968 20474* 42180*
Copper compounds 504* 25151*
Copper naphthenate 27066 33293 44994 8416* 77141*

Item

Copper oxide 12200 26068
Copper oxychloride SEE Copper chloride
Copper-reduction test 27720
Copper sulfate 69131*
effects on insects 38252 82445
effects on plants 9184* 77476*
fertilizers 44234
in meat research 6968*
in poultry nutrition 45939 28229*
in poultry physiology 72693*
in pulp and paper industry 19253*
in sheep physiology 28471* 91685*
in swine nutrition 12200 28606 55009 55034 81177 81212 28601* 72949* 72962* 91794*
in swine physiology 46250* 72949*
livestock parasite control 63487 81130*
therapeutic use 91729*
Copper trichlorophenolate 20713* 67783*
Copra 22283*
drying 6723 31041 14195*
grading and standardization 48407 81848
industry 31041
moisture 6632 81848
pests 84756
processing 93666*
Copra meal 71990
Coprini 29380*
Coprinus 24099 41542
Coprinus disseminatus 983
Coprinus fimentarius 42414*
Coprinus insignis 41582*
Coprinus lagopus 16423
Coprinus macrorhizus 16337*
Coprinus radians 67660*
Copris 55737 46812*
Copris lecontei 55737
Copris (Microcopris) n sgen 46812*
Coprophagy 28042 28389* 91606*
Coprosma 41463 76979
Coptoeme 92384*
Coptopsylla 13084*
Coptosoma ostensum 55573
Coptotermes formosanus 38591*
Coptotermes lacteus 20931 29137
Copturus aguacatae 12576*
Coquillettia 82506
Coraebina 55717 46881*
Coraebus 29332* 37796*
Coraebus undatus 81895*
Co-Ral SEE Bayer 21/199
Coral rock 70521
Corallinaceae 77005*
Córas Tráchtála 23593
Corazole SEE Metrazole
Corbidinychus corbicularis 4968
Corchorus 24591
Corchorus asplenifolius 33610 33696
Corchorus capsularis SEE Jute
Corchorus olitorius SEE Jute
Corchorus pascuorum 87354
Corchorus schimperi 33619
Corchorus siliquosus 16366
Corcyra cephalonica 21363 29638 47200
Cordage 13929 30747 39475
Cordana musae 77625 86850
Cordella 77021
Cordia dichotoma 55490

Item

Cordulegaster bidentatus 92650*
Corduliidae 29798
Cordus E Botanologicon 32637*
Cordyceps 277* 305* 32991*
Cordyceps militaris 24558
Cordyla 25774
Cordylobia anthropophaga 82402
Cordylomera spinicornis 38145
Core stock SEE SUBHEAD cores UNDER Plywood; Veneers
Coreboard 27162*
Coreidae 5215 38342 47037 73766 92648 46998* 82528*
Coreopsidinae 67509
Coreopsis 67416 67509
Corethra pulmicornis 82476*
Corethrella 82377
Coriander SEE Coriandrum sativum
Coriandrum 17858 8547* 52341* 68391* 92837*
Coriandrum sativum 12743* 16551* 24724* 93871*
Coriaria myrtifolia 50958
Corinocteninae 82125*
Corinoctenus birabeni 82125*
Corispermum 15748*
Corispermum marschallii 58649*
Corixa punctata 5253
Corixidae 38294
Africa 5237
anatomy and physiology 5253 82546
Asia 82575 82576
Great Britain 92494
Guatemala 38303
habits and behavior 5231*
Japan 38308
Palearctic Region 29561
taxonomy 29516*
Vietnam 82527
Corixinae 47001*
Corizus 82528*
Cork 71558
industry 90440*
mulch 89797
Portugal 71571
prices 53687*
products 83581
Spain 71571 18699*
structure 71573*
weight and measurement 45103*
Cork-oak SEE Quercus suber
Cork rot
apples 59077
Corky ringspot
potatoes 8644 9814
Corn
abnormalities 33805 50830 59362* 59483*
acreage and area 14221 35605 58095 57156* 61365*
analysis and composition 22522 25331 31186 39796 52501 65849 84438 93681 93715 75317* 75341*
anatomy and physiology 878 1014 1049 1074 1089 1163 1166 1172 8985 9063 9100 9103 9117 16249 16549 16624 20769 24212 24560 24798 24881 24931 25016 25080 25375 33908 33916 33924 33951 33988 34000 34107 34171 34194 42425 42476

*Text of this reference is not in English.

Item

Corn--Cont
anatomy and physiology--cont
42600 42629 42635
42669 42739 42749
50941 50951 50976
51034 51087 51119
51120 51274 51409
51413 59821 59855
59876 59891 59973
60065 60219 68629
68702 68705 68817
68830 77607 77617
77622 77639 77704
87555 87633 87744
87857 87917 87921
87958 88034 88075
834* 1055* 1126*
1127* 1158* 1233*
1289* 8773* 8864*
8877* 8986* 8990*
9075* 9101* 16541*
16613* 18104* 18114*
24571* 24849* 24854*
24896* 24951* 25025*
25052* 25064* 25110*
25115* 25130* 25166*
25178* 33189* 33842*
33853* 33911* 33918*
33946* 34009* 34013*
34117* 34156* 34163*
34183* 34217* 34376*
41771* 42527* 42589*
42593* 42615* 42661*
42678* 42686* 42763*
42775* 42813* 42819*
43173* 50998* 50999*
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51363* 59411* 59466*
59469* 59493* 59516*
59584* 59612* 59669*
59761* 59775* 59853*
59854* 59892* 59950*
59984* 59992* 60020*
60025* 60032* 60035*
60036* 60097* 60098*
60112* 60134* 60160*
60174* 60239* 60275*
61094* 63951* 63957*
68241* 68368* 68541*
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68586* 68599* 68601*
68621* 68626* 68630*
68686* 68704* 68742*
68764* 68791* 68816*
68827* 68829* 68859*
68929* 68937* 68939*
68956* 68983* 68994*
68998* 69022* 69027*
69039* 69078* 69098*
69099* 69114* 69125*
69126* 69160* 70804*
77469* 77539* 77581*
77598* 77611* 86940*
87490* 87525* 87526*
87532* 87573* 87606*
87637* 87641* 87673*
87726* 87728* 87865*
87873* 87878* 87901*
87924* 87939* 87940*
87962* 87963* 87997*
88001* 88089* 92063*
bacterial diseases 41950
41952 50456 59103
86982*
biochemistry 866
1329 1339 1355
16127 16549 16915
16935 25202 25204
34275 51460 51489
69171 77770 41771*
42984* 50777* 51297*
60315* 88232*
breeding 855 1493
4620 17026 17060
20724 24730 24748
25309 25331 25342
25354 25369 25375
33807 33814 43105

Item

Corn--Cont
breeding--cont
43141 1492* 25318*
59695* 69417* 69423*
69434* 77420* 77469*
88337*
conferences and congresses 88398
88437
Czechoslovakia 25307*
34438*
Germany
East Germany 17037*
25337* 77446*
Hungary 69324* 69325*
69374* 77875* 87396*
88447*
Illinois 1449*
Nebraska 88376
Nigeria 25312
policies and programs 25369
research
statistical methods 42437*
Switzerland 12474*
69406*
USSR 17073 17094
60438 9398* 9400*
17017* 17039* 17054*
17055* 25291* 25340*
25363* 25383* 43110*
43144* 43150* 43151*
51658* 51691* 51692*
51706* 59359* 59485*
59649* 88335* 88394*
88434*
canned 65727 75128
care and handling 75258*
93739*
conferences and congresses 1494 1509
51702*
consumer preferences 14310
contamination 31186
93715 73126* 73128*
contests 78734*
costs and returns 15344
60936 94738
Brazil 32031*
Guatemala 94456*
North Carolina 21607
Switzerland 76280*
92732*
Thailand 48570
USSR 40691* 94518*
culture 17068 34382
35098 35440 43134
51676 52858 60431
68929 69318 87857
1505* 17029* 51686*
Australia 25481
Austria 88435*
Bulgaria 88449*
Chile 88531*
Colombia 18393*
Czechoslovakia 88383*
88640*
Denmark 17166*
Florida 16249
Georgia 44307 60417
Germany 1502* 69367*
69431* 77881*
East Germany 34424*
34528* 69377* 69410*
69422* 69425* 78722*
88400* 88461*
Great Britain 9464
51687
Hungary 17051* 43095*
51660* 58843* 60032*
60397* 60415* 60419*
60426* 60428* 60432*
60446* 60954* 60972*
60979* 61002* 61367*
61458* 61467* 77870*
78611* 78767*
India 88402 88439

Item

Corn--Cont
culture--cont
Iowa 52890 70679
Italy 35349* 75276*
88412*
Latvia 9361* 51643*
Mediterranean area 17036*
Mexico 77864* 77865*
77866*
Montana 52995
mountain areas 51701*
60174*
Netherlands 88315*
New Zealand 1458
1459
Nicaragua 88457*
North Carolina 2366
51696
Northeastern States 52191
Poland 88361* 88416*
Rumania 9353* 51701*
78858* 88328* 88427*
Sicily 1488*
Spain 88390*
Sweden 51765*
Switzerland 69346*
69439* 69521* 77886*
USSR 1521* 9374*
10339* 13214* 17004*
17017* 17018* 17019*
17041* 17059* 17079*
17083* 17086* 17088*
17095* 18399* 18402*
18403* 25320* 25327*
25340* 25364* 25365*
25374* 25386* 34442*
35442* 51638* 51656*
51661* 51694* 52889*
53005* 56128* 57156*
59359* 60385* 60403*
60411* 60418* 60472*
68541* 69319* 69348*
69350* 69364* 69382*
69407* 69444* 69450*
69555* 69600* 70682*
71696* 74035* 77897*
78763* 78820* 78837*
88322* 88378* 88385*
88387* 88389* 88395*
88420* 88426* 88463*
88498* 88579* 88605*
88671* 88674* 88710*
89791* 89800* 89816*
Washington 43158
88309
Wisconsin 60477
Wyoming 88418
Yugoslavia 88411*
cytology 765 786
894 24606 24626
33685 42204 42269
42328 68511 24622*
24681* 33740* 33816*
42194* 50777* 59365*
59650* 59669* 59671*
68295* 68499* 87364*
damage 22491
desert areas 34442* 60418*
disease resistance 15962
24251 42369 42384
43105 43141 50370
50424 50859 50861
59103 68481 16058*
24293* 33212* 33306*
51688* 59096* 67835*
67880* 86915* 86940*
diseases 24152 58847
control 8399 352*
24130* 33134* 50210*
Italy 41627*
Mexico 86637*
Poland 67687*
United Arab Republic 77076
Wisconsin 24138
dried 6833 39875
drought resistance 60396
69022*

Item

Corn--Cont
drying 3851 14287
21644 31201 39804
84441 84462 22817*
equipment 21646
64917 13284* 29973*
83126*
Great Britain 64908
Idaho 65952
Republic of South Africa 57145
research
statistical methods 38720
dwarf 43133
ecology 16249 59493*
77330*
enzymes 1049 59739
60315*
equipment 74000 56128*
73949* 83004* 92757*
farms 66787 7606* 66697*
fat and oil content 1449*
feed 3361 4202 4215
5873 11868 11879
12228 25477 36208
36529 45909 46123
48123 54213 54215
54216 55006 55010
55013 55014 55027
63233 80760 91390
4229* 11187* 19397*
19734* 22817* 28620*
31144* 53796* 54717*
55142* 62654* 80016*
90544* 91463* 91465*
91792*
Bulgaria 63420*
Germany
East Germany 13896*
Republic of South Africa 12092
Rumania 91816*
Switzerland 72015*
USSR 1521* 13395*
36207* 46217* 57156*
88395*
fertilizers 2342 10189
18273 26296 26300
34194 35334 43112
44268 52501 52801
58847 61407 61420
68629 68830 70642
77639 78721 89682
2274* 2304* 18354*
26115* 35285* 52857*
61360* 68601* 68827*
68998* 78557* 78734*
87901* 89777*
Arkansas 52760
Brazil 35418* 35419*
78607*
Czechoslovakia 10155*
10261* 89697*
France 61399*
Germany 78623*
East Germany 78722*
Hungary 1540* 35307*
35350* 61365—61369*
61391* 61394* 61436*
68816* 70571* 78611*
India 44135 70629
78697
Indiana 35406
Iowa 44147 89738
Israel 89540
Italy 26323* 35349*
89711*
Louisiana 35605
Mexico 89754*
Mississippi 18256
Missouri 52837 52871
Nebraska 44220
North Central States 89681
Northeastern States 52191
Poland 89636*
Republic of South Africa 52775

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Item

Corn--Cont
fertilizers--cont
Rumania 67893* 70615* 78560* 78657* 89728* 89748* 89763*
Tennessee 26220 61398
Tropics 52722
USSR 2247* 2285* 2345* 10256* 10299* 18305* 18307* 18402* 26202* 26314* 26343* 35347* 44262* 44274* 44296* 52807* 52817* 52856* 52872* 59950* 61327* 61329* 61426* 70531* 70537* 70543* 70565* 70632* 70635* 70647* 70658* 70661* 78640* 78757* 89637* 89698* 89702* 89756* 89769* 89774*
United Arab Republic 18248
Yugoslavia 89559 44170*
flavor and odor 84430
for processing 88309
forage plant 9464 25477 51651 60591 88418 1502* 2275* 8986* 40403* 45497* 56143* 60590*
Czechoslovakia 88618* 88628* 88640*
Denmark 17166*
Germany
East Germany 34528* 64880*
Hungary 1540*
Japan 34391
Netherlands 29955*
Sweden 51765*
Switzerland 69521*
USSR 51772 17175* 43311* 51769* 60508* 60536* 69517* 69555* 69566* 69579* 69594* 69600* 69603* 69623* 88498* 88579* 88586* 88605* 88671* 88674* 88710*
frozen 84462
fungus diseases 1245 16085 41867 42384 50317 50335 50844 50859 50861 67901 67950 467* 33189* 33306* 41771* 59019* 59096* 67881* 68936* 77114* 86915* 86962*
California 50318
Canada 16095
Congo 59082*
control 15973* 16058*
biological 77103*
Hungary 59010* 59085* 86889*
India 16084
Iowa 86924
Republic of South Africa 67843
Rumania 33296* 41868*
USSR 24189 33273 16020* 24336* 24351* 50342* 58951* 59000* 67835* 67861*
Czechoslovakia 67946*
France 41838*
Hungary 67927*
Illinois 41797
Israel 41806
Latvia 50408*
Mexico 86858*
Mississippi 41752
Philippines 50370
Poland 406*
Republic of South Africa 24278 41731 86835
Rumania 33295* 67893*

Item

Corn--Cont
fungus diseases--cont
USSR 33208* 33212* 41811* 51688* 58976* 59071* 67819* 67880* 86771* 86792* 86940*
United Arab Republic 50456
West Africa 41756
Wisconsin 77122
Yugoslavia 86878*
genetics 853 855 858 859 860 872 878 879 894 897 916 937 16449 16458 24684 24703 24706 24720 24730 24748 33762 33779 33791 33800 33804 33805 42352 42369 42384 42425 42429 42445 50835 50836 50847 50851 50859 50861 59682 59717 59738 59739 68418 68472 68481 68495 68511 77426 77441 77442 87393 87394 87410 87444 87474 24747* 24754* 24759* 33816* 42437* 42885* 59650* 59695* 68417* 68456* 68499* 68686* 77420* 77446* 87387*
germination 989 59751 61065 68817 87921 16552* 16877* 24890* 24892* 24979* 25166* 33306* 33824* 42465* 42605* 42660* 42678* 51060* 51280* 51288* 51297* 59894* 59942* 60062* 60098* 60168* 60239* 60273* 60315* 68530* 68649* 68661* 68862* 68892* 68967* 69159* 87526*
grading and standardization 84422* 93099*
hardiness 16613* 34394* 42885* 59634* 68586* 68796* 73215*
harvesting 13251* 25296* 53772* 62329*
costs 94223*
equipment 13251 74122*
Germany 47425* 64895* 83104*
East Germany 21615* 23109* 56180* 64880*
Great Britain 13243
Hungary 29949* 64872* 92799*
Mississippi 21626
mountain areas 47376*
Netherlands 29955*
North Carolina 21607
USSR 13214* 13230* 13249* 13259* 29947* 29957* 56128* 74106* 74112* 92809* 92835*
Germany 69431*
East Germany 23087* 23112* 40403*
labor 94223*
Rhodesia and Nyasaland 17045
Switzerland 17038* 69346*
USSR 25390*
harvesting date 1540* 34378*
history 17058* 25318* 34437*
Hungary 25297*

Item

Corn--Cont
hybrids 866 895 9117 15344 16449 17026 17060 24798 24836 33800 33814 42739 43112 43141 59702 60462 77903 87393 87633 93681 94737 94738 1492* 33306* 42885* 50677* 51124* 59411* 59650* 60394* 60479* 63880* 63928* 68364* 68370* 68630* 69125* 77469* 87387* 88449*
Arkansas 25388
Australia 1476
Canada 1462
Colorado 51630
conferences and congresses 25292 25293
Germany
East Germany 13896* 43152* 77905* 88461*
Hungary 35350* 43109* 59612* 60426* 77855* 77862* 87396*
Illinois 51664
India 88439
Israel 89540
Kentucky 51669
Minnesota 51677
Missouri 43148 51690
New Jersey 43079 51618
North Carolina 51695
Ohio 34370
Oklahoma 34426
Pennsylvania 9404 15962 43154 60467
Philippines 1501
Rumania 9353* 51701* 68257* 70615* 77893* 77894* 77895* 78858* 87939* 87940* 89728*
Sicily 1488*
South Dakota 1503
Switzerland 69521*
Texas 17044
USSR 9377* 9398* 17039* 17050* 17053* 17078* 17085* 24896* 25291* 25305* 25308* 25338* 25374* 25383* 31510* 34376* 34431* 42686* 43078* 43110* 43311* 51658* 51693* 57464* 57474* 57495* 59469* 59565* 59571* 59649* 60399* 60442* 61531* 63923* 68288* 68368* 69420* 75317* 87364* 88232* 88341* 88353* 88385* 88394*
Utah 51672
West Virginia 43108 51652
Wyoming 1499 88419
Yugoslavia 9392* 92090*
industry 48570 65935 93751
injuries 28975* 58843*
irrigation 26434 69336 78897 88332 89876 61465* 70804* 87865*
California 2401
Hungary 60432* 61553*
Kansas 52948
Montana 52995
Nebraska 61510
Rumania 78858*
USSR 10421* 18452* 18546* 26130* 26489* 35500* 52973* 53005* 61531* 69343* 70705* 78820* 78837* 87878* 87997* 88426*

Item

Corn--Cont
labor 7449* 23074* 49068* 92732*
losses 56180* 63900*
lyophilization 92570*
male sterile 862 16417 16432 24703 24836 33807 33814 42204 50370 59702 33740* 43109* 51658* 59527* 59714* 68499* 77862* 87396*
marketing 57196 65919 75422 5961* 39811*
mechanization 29828 13149*
Czechoslovakia 92705*
Germany 64806*
reviews 38633*
Rumania 29864*
Switzerland 92732*
Uganda 29831
USSR 5686* 7449* 17017* 29829* 47280* 56060* 64779* 64804* 73964* 73982* 92723*
milling 31189 39875 48498
moisture 1014 6833 11502 36208 55006 55014 55027 57145 84462 31105* 31107* 31209* 55142* 75291* 75360*
morphology 24682 8773* 24571* 42284* 50677* 59350* 59359* 59362* 59393* 59411* 59442* 59447* 59459* 59466* 59469* 59479* 59483* 59485* 59493* 59516* 59527* 59545* 59565* 59571* 59584* 59600* 59612* 59629* 59634* 59649* 59667* 59668* 59669* 59672* 60112* 63963* 68241* 68244* 68257* 68288* 68330* 68364* 68368* 68370* 68382* 86915* 87372*
nematode resistance 68050*
nematodes 24461 33425 68069*
nutritional deficiencies 24906* 68638* 68986* 87600*
nutritive value 3364 3851 11502 25294 41069 49742 67133 86091 53772* 60020* 71708* 87606* 87901* 94803*
pest control 20690 20700 20702 20769 28978 29032 46480 55409* 63951* 63963*
Arkansas 4663 63884
biological 37673 46515 46516 55417 73250 28949* 81657*
Brazil 12442* 28968*
California 12439
Canada 73260
Hungary 33134* 73225* 73226* 81644*
India 4630 20704
Latvia 12453* 81638*
Louisiana 12606
Minnesota 4605
Missouri 12493 55417
Nebraska 20793
Peru 20728*
Rumania 81675*
South Dakota 4605
tests 12438
USSR 352* 12481* 12520* 20734* 20767* 24130* 28967* 29038* 46464* 46471* 55396*

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Item

Corn--Cont
pest control--cont
USSR--cont
55456* 55461* 63915*
63947* 63953* 63956*
63957* 63972* 73204*
73229* 73233* 73240*
73241* 73247* 81646*
92112*
United Arab Republic 29037
Washington 4664
Yugoslavia 81643*
pest resistance 4620
20724 28947 55435
63924 12474* 20768*
46485* 63879* 63923*
63927* 63963* 73215*
81665* 92090*
conferences and congresses 63897*
pests 12451 12505
46480 63906 12896*
63927*
Arkansas 55473
Canada 63970
China 37625*
Delaware 46515
France 63880* 63928*
Germany 20717*
Great Britain 46479
habits and behavior 55415 20768*
Hungary 63900* 63920*
India 12514
Iowa 37643 64645
Italy 41627*
Kenya 81730
Latvia 63971*
Nigeria 4602
North Central States 55388
Ohio 37616
outbreaks 20720
Poland 46462* 67687*
81700*
Rhodesia and Nyasaland 21281
surveys 20723 20754
20770
USSR 12437* 20782*
73246* 73256* 86792*
plant parasites 1960
9911 89392
planting 24836 25294
25332 43112 43133
51676 59876 69336
87633 88332 42660*
51363* 60481* 68827*
Bulgaria 69312* 69430*
equipment 29916
56151* 64862*
Czechoslovakia 13221*
Germany 64863*
East Germany 56143*
Hungary 64845*
mountain areas 47376* 74074*
USSR 47377* 74084*
92790*
West Virginia 92779
Germany
East Germany 88438*
Hungary 60419* 60426*
60427* 60445* 60446*
61394* 77870* 88360*
88404*
India 34436
Nebraska 60422
Peru 20728*
Rumania 77893* 77894*
78959*
Tennessee 61398
USSR 17010* 17096*
18403* 25374* 34523*
51666* 51693* 60450*
68530* 69321* 69343*
69351* 69352* 69371*

Item

Corn--Cont
planting--cont
USSR--cont
69379* 69411* 69445*
70531* 70632* 70661*
88504*
Yugoslavia 69354*
planting date 87633
59668* 60481* 68983*
69594* 86792*
Arkansas 25388
Hungary 60447 60429*
69356*
Iowa 51635
USSR 24896* 69342*
69381* 77877* 88310*
88389*
policies and programs 39857 48123 39863*
75296*
pollen 872 1293
24953 87444 16570*
25227* 50777* 69118*
76630* 77446* 87387*
88142*
pollination 916 24953
50851 77441 24681*
59411* 59650* 59695*
59853* 68417* 68456*
68499* 69125* 69417*
69423* 69434* 88337*
88434* 88464*
prices 22501 31302
75311 39811*
processing 6759 6766
12228 14223 66787
84419 31144* 57149*
57158* 74144* 84527*
92809* 93696*
products 14599* 32475*
39825* 57158* 75300*
84453*
properties 39875
proteins 4202 9100
34194 49742 87917
17054* 27299* 42984*
51288* 60098* 68601*
69027* 69324* 69325*
69374* 87490* 87865*
88710*
reviews 84488*
pruning 60430* 60448*
quality 17037* 68998*
70635*
research
statistical methods 42284*
seeds 1474 33805 59821
17086* 24890* 31144*
51288* 59942* 60097*
84979*
Bulgaria 88449*
care and handling 69388*
certified 22802 57474*
Corn Belt 1475
Czechoslovakia 25307*
drying 22817* 57495*
Florida 1486
fumigation 4737
Germany
East Germany 77905*
88400* 88461*
grading and standardization 31514*
31530* 51666* 57458*
57463* 57494* 94015*
Hungary 75697* 77855*
Poland 88361*
processing 31510*
57455* 57456* 57475*
57483* 57486*
purchasing 57456*
57475* 57486*
quality 59751 87633
24892* 51666* 57456*
57464* 57475* 57486*
Rumania 9353*
Southern States 1483
storage 59898 15973*
16877* 22817* 48901*

Item

Corn--Cont
seeds--cont
trade 32395
treatment 989 9103
9192 16549 24706
87820 1233* 15973*
16058* 25178* 40135*
42678* 58881* 63972*
68661* 69039* 88001*
92063* 88385*
USSR 16020* 18085*
24130* 28967* 33083*
34099* 34409* 50342*
59894* 60062* 60273*
67707* 68892* 69159*
USSR 17073 17085*
25305* 31528* 42605*
43110* 51658* 51691*
51693* 51706* 55461*
58951* 69363* 69378*
viability 59898 59761*
59894* 59906*
weight and measurement 94015*
situation and outlook
39857 75311 65879*
Germany
East Germany 75356*
Hungary 65879*
Italy 74385*
Philippines 84448
Republic of South Africa 39857
Western States 14231
soilless culture 18104*
18114*
soils 18273 26296 26300
33916 34107 35389
51087 52596 68705
68929 42660* 43998*
59892* 60168* 60403*
69099* 70373* 78409*
78951* 87873* 89253*
Arkansas 34453
Hungary 61093* 61094*
61391* 61474*
Iowa 44147
Japan 42593*
Republic of South Africa 43982 44279
Rumania 78958* 87939*
87940*
Tennessee 26220 52839
USSR 18307* 25064*
25130* 26019* 34183*
60275* 69098* 70377*
87726* 89783*
Yugoslavia 89559*
spraying and dusting
20769 67832 33911*
reviews 74177*
statistics
Africa 84419
India 31084 31149
65850
Italy 75276*
USSR 14265*
storage 14214 31201
22817* 93696*
Canada 36208
diseases 48549* 67687*
humidity 93759*
pest control 12606
31181 37772 81847
67687*
pests 55537
structures 22496*
30085* 31169*
temperature 14287
Tropics 93759*
USSR 13395* 31105*
31143* 31209*
tests 22491 13896*
topping 1014 5745
24931
trade 67042
transportation 57196
31114*
types 60431

Item

Corn--Cont
utilization 31155* 73226*
93698*
varieties 51651 60459
75311 77441 79715
22493* 33306* 59366*
60590* 63879* 93698*
Alabama 25290 51649
Arkansas 34453 34454
34455
Australia 1476
Bolivia 17075*
Chile 34448
Connecticut 34446
Florida 43101
Germany
East Germany 68704* 68983*
Ghana 9362
Great Britain 51687
Hungary 60397* 88447*
Iowa 88359
Kansas 43167 60444
Mississippi 51644
Nebraska 34392
Nicaragua 77891*
Nigeria 25312
North Carolina 51654
51655
North Dakota 60476
Ohio 55135
Oklahoma 16417 34426
Poland 68829* 88416*
Republic of South Africa 60396
Rumania 46485* 68257*
70615* 77895* 91816*
South Dakota 60400
Switzerland 69406*
Texas 25301
USSR 9398* 24896*
25291* 25308* 25338*
25362* 25363* 25383*
31510* 34376* 34394*
34431* 42661* 42686*
43078* 43311* 51688*
57495* 59469* 59668*
60394* 60399* 60433*
60442* 60479* 61531*
68050* 68241* 68288*
68368* 69078* 69160*
69321* 69326* 69381*
73215* 75350* 81665*
86940* 88353* 88373*
88394* 88434* 94015*
Virginia 88433
Washington 34423 43158
virus diseases 16127
63906 59140* 87059*
87071*
vitamins 14223 59516*
waste 53095 57534
weed control 1949 17642
17775 17799 17816
17818 25202 25880
25911 25912 25939
43715 43731 51460
52174 52190 52241
60936 60968 70105
89314 1127* 55409*
89253* 89361* 89364*
Australia 9878
Austria 9893*
Brazil 89265* 89351*
Bulgaria 89325* 89326*
California 52208
chemical 52277 29918*
60943* 60956* 70256*
77870* 78180* 89391*
equipment 47469* 92915*
France 34954*
Germany 60942*
East Germany 25896* 89370*
Great Britain 35004
Hungary 25931* 33134*
43741* 60939* 60950*
60952* 60953* 60954*
60957* 60972* 60979*

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Item

Corn--Cont
weed control--cont
Hungary--cont
60991* 60994* 61002*
61474* 68566* 70041*
89383* 89396*
Italy 77330*
New Zealand 43780
Northeastern States 52284
Portugal 35021*
Republic of South Africa 43834
USSR 43831 1912*
1941* 25879* 25916*
25941* 25942* 52324*
60926* 70009* 70053*
70056* 70057* 70058*
70069* 70104* 89300*
89321* 89348* 89387*
92770*
Washington 34980
Yugoslavia 70054*
81643* 89324*
yields 1014 1523
10189 18273 24212
24706 24836 25314
25354 26296 33916
43112 43133 44268
50847 52415 52501
59702 59717 61407
61420 67950 68629
69336 70642 88332
9101* 25178* 42678*
42813* 53772* 60160*
61360* 63880* 67835*
69039* 77895* 78557*
78734*
Alabama 25290 51649
Arkansas 25388 34453
34454 34455 52760
Austria 43173*
Colombia 18393*
Colorado 51630
Connecticut 34446
Florida 43101
France 61399*
Georgia 44307
Germany
East Germany 43152*
68983* 77837*
Hungary 35307 51124*
58881* 59792* 60445*
61391* 61436* 61458*
Illinois 51664
Iowa 37643 44147
88359
Italy 75276*
Japan 34391
Kansas 43167 60444
Kentucky 51669
Minnesota 51677
Mississippi 51644
Missouri 43148 51034
52871
Nebraska 34392 44220
New Jersey 43079
51618
North Carolina 51654
51655 51695
Ohio 24931
Oklahoma 34426
Pennsylvania 9404
60467
research
statistical methods 69402
South Dakota 60400
Tennessee 26220
52839
Texas 17044 25301
USSR 59751 1489*
2285* 9374* 9377*
10256* 10299* 17016*
17085* 18085* 25064*
25308* 26343* 34409*
42527* 43078* 44274*
52872* 52973* 61327*
61329* 61426* 61531*
69343* 69363* 69371*

Item

Corn--Cont
yields--cont
USSR--cont
69381* 69411* 70531*
70632* 70635* 70647*
77877* 87606* 88395*
88463* 89637* 89698*
89702* 89756* 89774*
89816*
United Arab Republic 18248
Utah 51672
Virginia 88433
Washington 34423
West Virginia 43108
51652
Wyoming 1499 88418
88419
Yugoslavia 44170*
Corn earworm SEE Heliothis zea
Corn flakes 93698*
Corn flour 84412
Corn germ 84438 93746*
Corn germ oil 7083*
Corn juice 11322*
Corn leaf aphid SEE Rhopalosiphum maidis
Corn oil
feed 3843 4080
oxidation 31335
processing 66144 14445*
properties 48813
utilization 48773 57362
Corn sirup 65528
analysis and composition 66235
bibliographies 57508
manufacture 6772
tests 94042
utilization 6355 6373
48101 65512 65785
93408
Corn steep liquor 75254
57139*
Corncob meal 27595*
Corncobs 48549*
analysis and composition 75350*
cleaning 92868*
drying 92890*
feed 72077* 74920*
nutritive value 90892
products 31131 30752*
Cornell Farm Account Book 40637 40638
Cornell Nutrition Conference for Feed Manufacturers 3036
Cornell University 85840
Cornell University extender 62602
Cornicularia 82180
Cornicularia normoerica 77759
Cornmeal 55020 90892
6448* 45919* 63420*
90887* 93689*
Cornstalks 18578 44033
19422* 27265* 61447*
71988* 90544*
Cornstarch
analysis and composition 39847 22529*
chemistry 39854 39862
75282*
feed 45924
hydrolysis 57185
industry 84419 14211*
manufacture 6772 75254
48507* 75310* 84405*
properties 57184
quality 22493*
tests 57194*
Cornularia 32947*
Cornus 43576 52028 52043
58975
Cornus controversa 1764*
29572*
Cornus florida 52061 81832

Item

Cornus hungarica 50081*
Cornus mas 60710*
Cornutiplusia n g 64648
92597
Corollospora maritima 86567*
Coronaria SEE Lychnis
Coronel S S 86151*
Coronilla varia SEE Crownvetch Coronilla
Coronopus didymus 8196
15816*
Coronupus SEE Coronopus
Coroxon SEE O,O-Diethyl 3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphate
Corpora allata 5085 29407
29547 29549 29579
38178 64647 82046
82431 12672* 21463*
29548* 29764* 56017*
64226* 82731*
Corpora cardiaca 21473
29579 82431 12716*
13102*
Corpora pedunculata 29598
Corporation farming 85517
SEE ALSO Beef cattle, feeding and nutrition, feedlot, incorporated; Farms and farming, incorporated
Corpus luteum
cattle 3500 11705
19918 19919 36718
62841 80316 27700*
36741* 62933* 72079*
80262*
guinea pigs 36957 54681
horses 54640
insects 5035
sheep 54973*
swine 3500
Correa 32870
Correa alba 15696
Correspondence courses 94696*
livestock 79983*
pest control 12431 15953
20873 20923 29133
37828 46632 55356
73124
Corrigiola littoralis 24602*
Corrigiola telephiifolia 24602*
Corrodentia SEE Psocoptera
Corrosion and anticorrosives 5798 6689 47325
93437 7269* 7281*
30612* 39005* 39006*
47463* 48418* 90348*
Corrosive sublimate SEE Mercury chlorides
Corsican pine SEE Pinus nigra poiretiana
Corthylus 12843
Corti-flexiole 28050
Corticium 15860 24091
67615 33168*
Corticium microsclerotia 24324
Corticium ochraceofulvum 59878*
Corticium rolfsii 86795
77047*
Corticium sasakii 86810
Corticosteroids SEE Adrenal cortical hormones
Corticosterone 37018
Corticum solani SEE Rhizoctonia solani
Cortinarius 67622 67635*
86570*
Cortinarius fulmineum 15858*
Cortinarius subarquatus 67629*
Cortinellus 34897*
Cortinellus edodes 2739*
2943*
Cortisone
effects on cattle 91130*
effects on guinea pigs 20115 11846*

Item

Cortisone--Cont
effects on mice 36945*
effects on plants 69141*
87908*
effects on poultry 36960*
effects on rats 80689*
effects on sheep 12117
37574
Cortisone acetate 20216
Corydalis 15737* 15787*
Corydalis solida 87273*
Corylobium 29533
Corylus 41842 71134 25682*
Corylus avellana
anatomy and physiology 16827 68922
bacterial diseases 67972
conferences and congresses 52009*
culture 17405 1749*
78099*
Germany
East Germany 36106*
Italy 52009* 52010*
58004* 84153* 88979*
Oregon 25684 34700
68922 69793
Spain 60732* 60733*
69795*
fertilizers 52834*
fungus diseases 58982
Italy 52010*
pest control 73291
pests 78099*
pollination 68987*
propagation 34699*
pruning 69792
varieties 17410 69800
Corylus avellana silvestris 58642*
Coryna 46847*
Coryne sarcoides 27067
Corynebacterium 79796
86971 62795*
Corynebacterium bovis 36569
Corynebacterium fascians 24389 50457
Corynebacterium insidiosum 50443
Corynebacterium laevaniformans 88131
Corynebacterium michiganense 526 41938
77205*
Corynebacterium poinsettiae 50437
Corynebacterium pseudotuberculosis 28109
Corynebacterium pyogenes 45575 19488* 45658*
54461* 72174* 72254*
Corynebacterium renale
reviews 27421*
Corynebacterium sepedonicum 16103* 16105* 50450*
86974*
Corynespora 8308
Coryneum beijerinckii 15996
24245 86876*
Corynocera 64430*
Corynoneura 12874 46923
Corypha elata SEE Corypha utan
Corypha umbraculifera 9002
Corypha utan 59542
Coryza 20271 46034 72664
28273* 72670*
Coscinia cribraria 82801*
Coscinodiscaceae 222*
Coscinodiscus 222*
Coscinodiscus centralis 41856
Cosmarium 214 41509
Cosmodela n g 21145*
Cosmodiscus 82247
Cosmolaelaps 4934* 21050*
29297*
Cosmonota 46855*
Cosmophorus 47075*
Cosmopolites sordidus 55479

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Item

Cosmopterigidae 47152 82680
Cosmos bipinnatus 55880 24752* 59737*
Cosmoscarata 82534*
Cosmotriche potatoria 82730*
Cossidae 38490* 92580*
Cossoninae 82289
Cossyphus 38068*
Cost and standard of living 76075
  Africa 47678
  Brazil 85473*
  Costa Rica 85469*
  Georgia 74438 75125
  Germany 15170* 75955*
  Hungary 85470*
  India 85471
  Japan 40537* 49211* 76076* 85472*
  North Carolina 57711
  Peru 47679*
  Puerto Rico 14950
  Sweden 7574*
  Tropics 47678
  USSR 7571*
  Virginia 7573
  Washington 7572
Costa A Cimicum Regni Neapolitani 21309*
Costa Rica Ministerio de Agricultura e Industrias 23715*
Costa Rica Universidad Escuela de Agronomia 76386*
Costa's Tobacco Directory 75780
Costera 32852
Costus oil 40050
Cosymbia puppillaria 5443 5477
Cotachena histricalis group 29744
Cotiheresiarches 92564
Cotinis nitida 55373
Cotinus 87181*
Cotinus coggygria 3004 67435* 70144*
Cotoneaster 69839 15785*
Cottendorfia 176
Cotton
  abnormalities 59379* 92074*
  acetylated 48257 71582 84018 39572*
    bibliographies 6521
  acreage and area 39544 66873 83988
  Aden Protectorate 69462
  advertising 40969 30860*
  Africa 9417 17113
  analysis and composition 30801 30825 48226 48281 84087 84092 61454* 70674* 74946*
  anatomy and physiology 1079 1082 1230 1241 8950 9018 9021 9049 9051 9201 16576 16873 16879 24871 25014 28984 29047 33783 33864 34054 34203 42529 42574 42894 50956 51141 51324 55967 59885 60253 68744 68752 68869 68976 69021 69116 81630 81690 88011 80012 92060 945* 972* 1031* 1076* 1110* 1164* 1199* 2090* 8820* 9079* 16547* 16714* 16820* 24768* 24773* 24774* 25005* 25029* 25183* 33820* 34468* 42785* 51234* 51332* 59583* 59782* 59804* 59852* 60061* 60110* 60137* 60148* 60267* 68536*

Item

Cotton--Cont
  anatomy and physiology--cont 68612* 68633* 68643* 68732* 68734* 68762* 68836* 68908* 70359* 77271* 81619* 87334* 87484* 87492* 87516* 87540* 87692* 87889* 88035*
    bibliographies 1011
    conferences and congresses 17107
  associations 56919 65615 74939*
  Australia 88469
  bacterial diseases 24388 67956 41935* 41953*
    Africa 67954 67962 67963 69766
    Albania 50458*
    Arkansas 41949
    control 24386 24390 41947
    India 67955
    Uganda 67979
  baling 32354 65579 5702* 13969* 74942*
  bibliographies 65615 75015
  biochemistry 16964 34315 59018* 88127*
  bleaching 30781 30813*
  breeding 1527 25391 25393 25401 43194 50879 59729 68752 69466 69471 69477 69483 88467 88474 88484 59719* 88492*
    Alabama 43182
    Argentina 77431*
    Arkansas 25408
    Brazil 43193*
    India 9432 25402 51716 77914
    Missouri 51723
    Morocco 69468* 77912*
    Peru 34459*
    Tanganyika 51720
    USSR 9411* 9442* 17109* 34466* 34473* 43209* 51721* 69475* 69476* 88466* 88479* 88490* 88493*
  carding and combing 39467 39508 39574 48262 48275 48277 56839 56895 74962 93508*
    equipment 30835 48183 84132 84060* 84125*
  care and handling 6592 65579 82991 13969*
  chemistry 6459 6478 6483 6530 30826 30859 39487 39567 48167 48174 30841* 74981* 93522*
  cleaning 30814
  color 68501 22259*
  compulsory deliveries 30881*
  conferences and congresses 22219 39532 48186 48187 48269 56857 69459 84020
    Argentina 43175*
    Great Britain 22183 56869
    Texas 22166
    USSR 60493
  consumer preferences 6596 84111*
  consumption 22248 22237* 30871*
  containers 14000*
  contamination 22196 22216 22243 29053 39535 39556

Item

Cotton--Cont
  cooperatives 6465 22184 39576 56920 65593 6476* 48185*
  costs and returns 17131 40568 40675 56070* 85478*
    California 76093
    Mississippi 23367
    Southern States 76094
    Texas 23002
    USSR 23285*
  credit 23002 23033
  culture 17131 43190 43198
    Alabama 9434
    Albania 25988*
    Algeria 60494*
    Argentina 43203* 44161* 46427* 77431*
    Arkansas 43189
    Australia 25397 43197 69452 69488
    Brazil 28957*
    California 26378 43200
    Chad 17129* 43201* 44227*
    Colombia 84130*
    Congo 43186*
    Georgia 51727
    India 9430 9433 9439 9517 25506 51719 60488 88480
    Iran 17125*
    Ivory Coast 60137* 60492*
    Louisiana 52883
    Mexico 9412*
    Mozambique 9431*
    Niger 34468*
    Nigeria 26475 69464
    Oklahoma 34457 88486
    Pakistan 17099 43191
    Peru 25395* 28997* 77678*
    Republic of South Africa 43206 77908
    Rhodesia and Nyasaland 17120
    Senegal 34416*
    Sudan 17100 88473*
    Texas 25274 25413 26594
    Uganda 48169 69492 17100
    USSR 60493 9415* 9419* 9423* 9427* 9436* 17010* 26377* 34464* 68536* 69301* 69457* 69481* 69487* 70683* 74045* 78759 78773*
    United Arab Republic 17100
    Yugoslavia 43205*
  cyanoethylated 6483 6558*
    bibliographies 6521
  cytology 16391 33795 59678
  defects 13925* 30885* 65594* 84136*
  defoliation 17098 17104 17128 21620 22196 60253 9422* 9426* 9429* 9444* 13240* 69455* 88487* 88489* 88491*
    Argentina 43195*
    Arizona 17126
    California 17108
    conferences and congresses 17107
    equipment 38746*
    Missouri 51711
    Southern States 17117 17122 17123

Item

Cotton--Cont
  defoliation--cont
    Texas 17103 17116 25407
    USSR 1526* 1535* 5764* 25410* 69478*
    Western States 17127
  deterioration 65589
  directories 30864 65615
  disease resistance 50399 67956 67963 67966 16083* 41817* 43209* 50395* 59018* 67754* 67768* 86737* 86738* 88479* 88492*
    reviews 41935*
  diseases 366 77038
    Alabama 8338
    Colombia 41692*
    control 33116 33101* 77062*
    Latin America 77028*
    Missouri 50161
    Morocco 67711*
  drying 6461 6493 48162 48163 93504 1526*
  equipment 47489 56231 15945* 47356*
  etherified 6525
  exchanges 30759 93482*
  farms 56843
    Louisiana 85578
    management 7610 40568 76141* 85478*
      Argentina 49277*
      California 76093
      Colombia 84130*
      Southern States 76094
      USSR 31939* 76195*
    USSR 66611* 76168* 76214* 84061* 93523* 94349*
  fertilizers 18257 33448 35426 52710 89683 972* 10164* 10250* 28972* 78638* 78687*
    Arkansas 2386
    Australia 78614
    bibliographies 2261
    Brazil 70586 35304*
    Central African Republic 89646*
    Congo 61433*
    Georgia 44134
    India 9083 9437 10303 25402 26205 35417 78697
    Louisiana 35409 52848 78726
    Mississippi 52784 52819 70561
    Missouri 52837
    Oklahoma 88486
    Pakistan 17099
    Republic of South Africa 26355 78739
    Spain 89747*
    Texas 10185
    USSR 10201* 10247* 18329* 18353* 18377* 20703* 26282* 26334* 35343* 35397* 35427* 44226* 55394* 61388* 61454* 70339* 70493* 70520* 70547* 70575* 70623* 70636* 70641* 70674* 78651*
    United Arab Republic 18248
  flowering date 9016 16820*
  fruit set 29020
  fungus diseases 411 12463 24328 24337 33283 41860 50396 58999 68054 8485* 16083* 24188* 41817* 59018* 59080* 67768* 67888* 86737*

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Item

Cotton--Cont
fungus diseases--cont
Argentina 41953* 58947*
Brazil 33145* 33329* 77100*
Central African Republic 59204*
control 24195* 41736* 67844*
Arkansas 8443
California 8462
China 33327*
Louisiana 33312
Mississippi 16061
Tennessee 50339
USSR 15970* 15981* 16078* 16079* 24352* 37619* 41821* 67783* 86735*
United Arab Republic 16016
India 24329
Ivory Coast 15985*
Mississippi 50391
Peru 8530*
Tanganyika 33282
USSR 43209* 50395* 67871* 86738* 88479*
United Arab Republic 16005 41910
Western States 77092
futures 22254
genetics 8838 16461 24699 33771 33783 33795 33799 42426 50879 59678 59705 68458 68500 68501 8820* 59719* 77427*
germination 8898 12463 16842 73065 8485* 8898* 33820* 42757* 42795* 59804* 59893* 60111* 68680* 77728*
ginning 6513 6540 6592 22188 22206 22212 30782 30814 30830 30846 48163 48235 65631 65659 74960 75002 75035 75591 84022 93505
Argentina 48204*
Arkansas 56848
California 6569
cooperatives 22176
costs 22179 30880 39491 56848
equipment 30868 56872 84050
fires 56838 56904
hazards and safeguards 30753 30778 30842
India 13960
Kenya 39477
labor 39474
Oklahoma 56848
Southern States 22235
Texas 22176 48268 56848
Uganda 65610*
Venezuela 6589* 84127*
grading and standardization 6511 30814 39535 39536 48199 56892 75002 84047
India 13961
North Carolina 23033
Pakistan 48158 48160 48231 56837 56892
Sudan 22222
harvesting 17128
costs 39491 15087*
equipment 5755 5766 5771 6540 21620 30830 60253 65607 65659
Argentina 47399* 47406*
Arkansas 69489

Item

Cotton--Cont
harvesting--cont
equipment--cont
Oklahoma 29926
Tennessee 25406
Texas 9445 21628 25414
USSR 5764* 13240* 13246* 13256* 64881* 69478* 74111* 83110* 92851*
Missouri 51715
Texas 17103 84050
USSR 69455*
history 6552 18458 34463 6587*
Alabama 30850 48260
Brazil 84043*
Georgia 30804
India 74941
Texas 22170
USSR 69457*
hybrids 16431 25391 25412 33771 33795 33799 42426 59678 77914 17105* 17129* 25411* 34461* 34473* 59719* 69127* 88465* 88492*
hydrogen-ion concentration 30764* 30813*
hydrolysis 83989 84092 30752*
India 51719
industry 13922 22221 23195 48188
Africa 74969
Alabama 30850
Argentina 84078 22169*
Brazil 48165*
China 30833 65668*
Colombia 84003* 84130*
Georgia 85967
Great Britain 39539 56846
Hong Kong 84031*
Hungary 13964*
India 689 6463 6464 6517 22217 25400 48252 74984 74985 84026 84067*
Iran 17125*
Italy 74999*
Japan 6539
Louisiana 6457
Mississippi 23367
Pakistan 6551
Peru 6557 22250 6468* 74951*
public relations 22696
Southern States 49867 74982
Spain 93484*
Texas 22170 22265 93492
Uganda 39525 48169 57960 74993 65609*
USSR 13987* 84061* 93520*
USSR bloc 30776
injuries 12484 20798 20801* 92074*
irradiation 13920 84116
irrigation 18458 52710 69021 972* 78759*
Arizona 2419
Arkansas 2386
Australia 10356 34203
Bulgaria 25403*
California 70736
equipment 52963* 70814*
Mexico 35476*
Texas 10365 43767
USSR 2387* 2437* 10375* 10389* 18470* 18556* 20785* 35499* 35536* 44459* 52925* 52963* 69490* 70291*

Item

Cotton--Cont
irrigation--cont
USSR--cont
70623* 70702* 70746* 70748* 78817* 78821* 78833* 78834* 89821* 89824* 89827* 89851*
Western States 69116
Kenya 17110 69463
labor 23086 40384 73930
USSR 14770* 14793* 23103* 49093* 75953* 85266* 85281* 85316*
legislation 14019 22251
linters 6497 13937 13948 30814 57327 66106 71582 79561 84038 84781 65656* 93510*
loading equipment 82991 5702*
losses 25406 34972 41947 56904
male-sterile 42418 59734*
marketing 22255 22263 22269 30757 30874 40568 48189 48235 65613 75006 84047 74952*
Belgium 13970*
conferences and congresses 22190 74959
costs 22269 30880 74952*
Germany 74948
Louisiana 6584 30797
Tanganyika 65657
Texas 56898
United Arab Republic 14019
mechanization 73930
Uganda 29831
USSR 21567* 56070* 75953* 82946* 82967* 82970* 82972* 83005* 85266* 85281*
microorganisms 65589
moisture 30782 48268 74960 65610*
morphology 59678 68253 87242 16333* 59583*
nematode resistance 42071 50548 43193*
nematodes 16180 16196 33448 41860 68054 68081 59204*
Argentina 68070*
Brazil 24458* 43193*
control 42071 50538
Louisiana 33427
United Arab Republic 77285
neps 13948 13960
Nigeria 17111
nutritional deficiencies 52819 25006*
oxidation 48233 84028 84065
pest control 28987 28994 29047 46430 46431 46481 46483 46511 55449 55466 63948 73221 73227 73238 81658 92072 28971* 28972* 28973* 37634* 46496*
Africa 20709*
Argentina 37615* 37672* 46427*
Arizona 20934 63950 81728
Australia 4650 29014
biological 20698* 81623* 92103*
Brazil 28970* 37627*
Bulgaria 92087*
California 33116

Item

Cotton--Cont
pest control--cont
Central African Republic 20705*
Ceylon 37679
China 37624*
conferences and congresses 4661
cooperatives 4611
equipment 12467 12523 63966 20697* 20735*
Georgia 29046 55411
history 73201
India 29048 37681 55387 55439 73231
Malagasy Republic 20706*
Mexico 12449* 92091* 92103*
Missouri 55404
Morocco 20739* 77062*
New Mexico 12498 73193
Niger 33101* 34468*
North Carolina 4640 92094
Oklahoma 55385
Pakistan 46455 55406 81661
Peru 20728* 28997* 81708* 92084*
policies and programs 20741 29020 46427*
Rhodesia and Nyasaland 20781
seasonal 4599 4616
situation and outlook 4375 4425 81705
Southern States 17771
Sudan 20737
Taiwan 37683
tests 4604 12446 12455 12459 12468 12486 28952
Texas 4606 46445 73230 81627 81683
USSR 20703* 20713* 20772* 20774* 20784* 20801* 29003* 37635* 37642* 46486* 46512* 55394* 63914* 73077* 73211* 73212* 81619* 81676*
United Arab Republic 20798 20799 81614
pest resistance 67754*
pests 366 12445 20749 28981 46481 55414 55424 55932 55967 73738 63912* 92074*
Aden Protectorate 20760 73228
Africa 20709*
Argentina 38427* 68070*
Arizona 81728
Arkansas 81625
California 20749
Georgia 73209
habits and behavior 5409 12484 12999 29402 29627 12475* 37624*
India 55387 55414 81717
Latin America 55397*
Mexico 28782 12456* 92058*
Mississippi 29377
Morocco 20739*
Peru 81708*
Spanish Guinea 73251*
Sudan 38118
Texas 12522 81617
Turkey 37646*
USSR 12475* 20714* 20756* 20775* 20785* 20800* 21398* 46466* 63916*

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Item

Cotton--Cont
pests--cont
United Arab Republic 20696
planting 88482 42757* 42795* 68643*
Africa 34471
Arkansas 43189
Australia 88485
Bulgaria 69465*
equipment 47384*
India 9437 17118
Pakistan 17099
Republic of South Africa 88470
Texas 10365
USSR 9420* 35343* 43187* 51707* 51722* 60495* 69461* 69467* 69479* 69482* 69490* 69494*
United Arab Republic 23086
planting date 9437 25394 38118 12449* 69465*
policies and programs 6462 6474 6568 14003 22181 22229 23195 39470 39471 48184 48207 48208 48254 56842 56855 56856 65588 84133 93481
Argentina 43203*
Brazil 13947*
France 30870*
Pakistan 48161
Spain 13992*
USSR 84090* 84128*
pollen 16308 33861* 59583* 68358* 87355*
pollination 20934 55228 55617 12713* 17105* 25411* 37443* 68403* 68757* 69127* 88465*
pre-harvest drop 77678*
prices 6453 22257 30814 39470 39544 56843 56876
control 93481
Great Britain 74950
Netherlands 84033*
support 22255 22262 56912
USSR 13994* 30881* 93523*
processing 6482 6490 6593 22168 30855 39459 39468 39499 39520 39564 48212 48232 56859 56861 56877 56917 65602 65625 74970 84075 84093 13925* 22187* 39512* 39571* 74937* 84023* 84036* 94975*
cooperatives 39576
costs 6482 39491
equipment 56868 74991*
bibliographies 6522
statistics 39461*
USSR 47528*
United Arab Republic 17100
production quotas 93481
production regions 48272
products 6496 32414
propagation 24871
properties 6490 6530 6569 6597 9016 13927 13942 13950 13953 13963 22208 25393 30790 30884 39542 39564 48162 48163 48170 48198 48233 56840 56858 56860 56861 56880 56893 56894 56900

Item

Cotton--Cont
properties--cont
69477 74970 75021 84022 84083 84124 84129 30764* 30841* 48240* 59719* 74967* 84036* 84104* 87617*
proteins 30805*
quality 6527 6533 6568 6592 21620 22193 22212 22235 29020 30830 30872 39536 39553 39564 48179 48221 48272 56882 56893 56894 65607 65642 74968 75002 75006 84129 22259* 37443* 65584* 93512*
Argentina 30763* 43203* 48244*
India 9083
Louisiana 6584 56875
Mississippi 55424
North Carolina 23033
Pakistan 48158
Southeastern States 13944
Tennessee 25406
Texas 81617
USSR 84111* 87492*
regulation and inspection 22196 65614
research
statistical methods 56837 56893 56894
residues 12468 28957*
Revillagigedo Islands 150
Rhodesia and Nyasaland 17112
seeds 1156 1530 9438 16873 43202 51718 9411* 9442* 25404* 34466* 42841* 43192* 51721* 69476* 69494* 88477*
treatment 12463 16016 16061 24386 24390 28999 41947 42894 50339 73227 16547* 20713* 25029* 28973* 33820* 37634* 41736* 42652* 42757* 55394* 59893* 68680* 68733* 78734* 77728* 87617*
vernalization 42741*
viability 77626
shows 48273
situation and outlook 13933 13934 13957 13958 13972 13979 13980 13981 22241 22268 30815 30869 30886 39541 48175 48189 48209 48238 56874 56883 56890 56897 56912 56921 65588 65596 65612 65613 74987 74989 75007 75026 75045 93515 56862* 65621*
Africa 84095
Brazil 6556* 13938*
Europe 6507 7877
Far East 6506
France 30788 39540*
India 84053
Italy 39523* 84030*
Japan 6542*
Mexico 56845 74949 84005
Pakistan 22224
Texas 48177 56913
Turkey 93527
soilless culture 1079
soils 16180 55449 16714* 70358* 86737* 87484*

Item

Cotton--Cont
soils--cont
Argentina 44161*
California 70736
Chad 25005*
Georgia 44134
India 10278 35110
Mississippi 35435
Texas 10365
Tropics 61343
USSR 10361* 10391* 18461* 26280* 26334* 35397* 43931* 44459* 70291* 70539* 78661* 78817* 78834* 87889* 89851*
spinning 6526 6559 6569 6582 6593 13953 39473 39519 48162 48163 48176 48195 48228 48248 48266 56871 56884 65635 65661 69471 75023 84006 84008 84034 84063 93493 93507 22180* 30756* 39550* 56850* 74945* 74991* 84001* 84002* 84097*
Argentina 48244*
Belgium 83992* 84126*
equipment 6498 30751 39466 56860 56906 74977 30789* 39496* 39538* 74980* 75034* 84136* 93516*
Europe 48234 56888 56889 13984*
Germany 74990*
Great Britain 56888 56889
Japan 6539 93517
tests 6573
spraying and dusting 21660 46520 73227 9429* 20735* 28784*
staple length 6527 6582 9018 9438 17118 24699 30790 30861 30872 39520 39542 39553 48203 48218 48266 74985 84039 84074 84129 88480 9431* 22187* 22233* 30762* 87516*
statistics 14013 22248 30879 30880 56923 75041 84123 93499 74986*
Colombia 84003*
France 14012*
Great Britain 83581
India 22171 48225 84077
Italy 22237* 84055*
Japan 13989
Louisiana 56875
Pakistan 39579
Peru 74951* 93509*
Texas 22270 48267 56913
United Arab Republic 13936
Venezuela 6589* 22277*
storage 48162 56915 65579 37780*
structure 6461 13920 22205 39551 48193 48223 65605 93504 39526* 48240* 65594*
study and teaching 9434
subsidies 7570 57901
Sudan 77909
surpluses 6528
Tanganyika 17114
taxonomy 67502 76938
tests 6465 13946 13963 22188 22193 22211 22216 22243 22252

Item

Cotton--Cont
tests--cont
30801 30825 30839 30861 39473 39519 48195 48199 48203 48218 48239 48272 48279 56882 56884 65602 69471 75021 75023 13925* 22214* 22233* 22259* 74967*
equipment 22208 39556
textiles 6460 6466 6481 6488 6490 6499 6525 6530 6541 6562 6563 6570 13927 13942 13975 13996 30780 30847 30872 30884 32402 39460 39468 39545 39547 39551 39564 40984 48241 48242 48253 49596 56864 56867 56873 56880 56896 56901 65604 65642 65665 65669 74943 74961 74963 74966 75017 83989 83990 83999 84007 84012 84027 84032 84044 84049 84062 84098 93487 39484* 39526* 39533* 39555* 39557* 39563* 75027* 93513*
bibliographies 6520 6521
conferences and congresses 56891 84014
thinning 34472*
trade 7884 23598 23614 23642 32354 32414 40969 40984 48254 49596 49640 58273 58284 58291 76560 76565 85967 86017
China 49603
Europe 7877
European Economic Community 86033
Japan 6539
Mexico 76560
Netherlands 75026 84033*
Pakistan 94344
United Arab Republic 14019
transportation 13969* 74942*
Uganda 77910
utilization 6482 6543 22194 22264 48266 53637 65634 74941 93498 22275*
varieties 9428 33783 34463 40675 60486 60488 69466 10250* 25183* 60111* 60148* 68612* 68732* 68908*
Alabama 17097 43182
Arkansas 34462 43188 69489
Australia 10356
Bulgaria 25403*
California 17712 51718
India 9425 9438 13950 16308 30801 31366 51713 60488 88468
Mississippi 51708
Missouri 51723
Morocco 77913*
North Carolina 51712
Oklahoma 43196
Peru 60483* 77907*
Rumania 34456* 43177*
South Carolina 60487 88471

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Item

Cotton--Cont
varieties--cont
Southern States 9413 69470
Sudan 69474
Texas 9421 9445 17124 25394 25414
USSR 87242 1110* 41817* 50395* 68358* 68836* 69127* 69467* 69490* 87355* 87516* 88466* 88490*
United Arab Republic 9424 25396
Western States 69116
Yugoslavia 69491
waste 39536 56872 30752* 56850* 72813*
weed control 1934 35045 43687 43732 43764 43784 48173 52222 65607 73227
Arkansas 52210
California 17712 17750
equipment 56137 13293* 17784*
India 34972
Louisiana 17772 52300
Missouri 51711
Southern States 17707 17771 35019
Texas 43767
USSR 17640* 35039* 70086* 70092*
weight and measurement 9018 13949 30763* 30791*
West Indies 17113 17115
yarn 6559 13949 22205 30790 39473 48170 48176 48223 56893 56894 56900 74962 84006 84008 22233* 30841* 48240* 65584* 84104*
yields 16180 42574 60486 77038 10164* 59852* 60061* 70674* 87617* 89747*
Aden Protectorate 17101
Alabama 17097
Arkansas 34462
Australia 4650 29014 78614 88485
California 70736
Georgia 44134
India 9425 9432 9437 26205 51713 77920 88264
Louisiana 52883
Mississippi 51708 55424
Nigeria 26475
North Carolina 51712
Oklahoma 43196 88486
South Carolina 60487 73201 88471
Texas 9421 10185 10365 17124 25394 81617
Tropics 61343
USSR 42652 9079* 18329* 18353* 26282* 37443* 51234* 51722* 61388* 61454* 69467* 69479* 69490* 69494* 70339* 70493* 70539* 70575* 70636* 70641* 76195* 78651* 87492*
United Arab Republic 16016 18248
Cotton Board Conference (Gt Brit) 56869
Cotton Council International 56919
Cotton Defoliation and Physiology Conference 17107

Item

Cotton Improvement Conference 69459
Cotton Marketing Conference-Research Clinic 22190 39532 48186 48269 74959
Cotton Production-Mechanization Conference 48187
Cotton Yearbook 48188
Cottonseed
analysis and composition 48735 48741 66104 75521 40081*
cleaning 7052 22215 57333 57338 57340 7090*
conferences and congresses 22709
contamination 66104
cooling 57345
defects 14470*
drying 75591
fat and oil content 42894 48734 48735 48741 57327 972* 1110* 68536* 88035*
feed 28195 85645 91414 91817
grading and standardization 75576*
hulls 22713 3368*
loading equipment 7101*
marketing 65657
nutritive value 86095 49720*
prices 31366
processing 7039 67231 93904 93913 93921 7045* 7057* 7099*
conferences and congresses 57335
cooperatives 57372
costs 84781
equipment 66106
products 30875 57348 93904 7099*
properties 7090*
proteins 86095 91414 91817 93904
conferences and congresses 93898
quality 20696 8898*
research
statistical methods 48735 7045*
statistics 30875
storage 75591
tests 48734 57348 75524
transportation 7101*
utilization 40081*
Cottonseed flour 93921 94817 94820 94827
Cottonseed meal
analysis and composition 40060 56833
chemistry 31371 48742 84779*
fat and oil content 7045*
feed 3322 4202 7131 11889 12211 19691 19776 20459 37146 45913 54710 62678 63432 80136 81002 91430 3368* 45899* 73032* 81184*
processing 11889 57374 75581 93913 57396* 84778*
properties 48742
proteins 4202 56833 91381
quality 56833 84778*
research
statistical methods 7045*
storage 57396*
tests 75524
toxicity 73032*
Cottonseed oil
advertising 22696

Item

Cottonseed oil--Cont
analysis and composition 22687 48751 14470* 68633* 75512* 75513* 93920*
chemistry 7027 7066
color 57378
consumption 22708
directories 7056
extraction 22724 40060 93913 57367*
feed 20234 37384 54708 80151 91424 91806*
hydrogenation 7106 31331 80151
hydrolysis 42529
keeping quality 57325
losses 57329 7057*
marketing 57347
processing 20234 22683 31344 40057 48751 48827 57378 66144 75613 40061* 48746* 57366*
products 48751
properties 7066 48794 84795
quality 20696 14470* 88035*
storage 57325
utilization 7106 22673 22708 57347
vitamins 20234
waste 3043*
Cottonseed Processing Clinic 57335
Cottonwood SEE Populus
Cottony blight
grasses 67948
Cotyledon umbilicus SEE Umbilicus pendulinus
Coulometer 81843
Coulters 47353* 47380*
Coumachlor 63080 3677*
Coumaphos SEE Bayer 21/199
Coumaric acid SEE Hydroxycinnamic acid
Coumarin
effects on plants 60073 88076 16725* 87773*
in plants 9233 9275 16958 25203 42669 60291 77784 77823 88161 42977* 60330* 81012*
toxicity 3677*
Coumestrol 54164 56828
Council for the Preservation of Rural England 49386
Council of California Growers 32176
Countercurrent distribution test 7097 7202
Counterirritation 54682* 72447*
reviews 45835
Country Women's Association of New South Wales 76443
County agents 7219 15297 32234 58155 66908 66926 94655
Couroupita guianensis 60135*
Couroupita tefeensis 76969*
Court-noué, grapes SEE Fanleaf, grapes
Cover crops 17665 18504 20723 26589 35414 35555 52844 52858 55198 26353* 68660*
Ceylon 2355 26272
Czechoslovakia 88516*
Georgia 9457
Ghana 52734
Hungary 78728*
orchards
France 44164* 44250*
Great Britain 44155
Poland 44295*
USSR 10387* 10453*
Oregon 35395

Item

Cover crops--Cont
South Carolina 1508
Sumatra 26351
USSR 70688*
Virginia 51794
Covexin 46144*
Cow parsnip SEE Heracleum
Cow pools 76217
Cow pox 62892 63192*
Cowan J M 23772
Cowboys 11709 40399 91334
Cowdria ruminantium 63449
Cowpeas
anatomy and physiology 33957
breeding 60884 69545*
culture 9497 60869 17618* 35439* 88524* 88681*
disease resistance 24450
feed 12092 27648 28595
fertilizers 35439*
fungus diseases 59066 67931
genetics 77448 87463
harvesting 29924 60869 66462
hybrids 29051
male-sterile 87463
microorganisms 65795
nematodes 24490
Nigeria 70389
pest resistance 12526
pests 37661 81637
seeds 69246*
storage 65795
varieties 24450 51734 60869 78171
virus diseases 50523 59146 67994 67998
weed control 52271
Cowper's gland 46102
Coxiella burnetii 37519 28818* 63802* 63851*
Coxiellosis SEE Q fever
Coyotes 62959
Coypus
anatomy and physiology 45810*
as laboratory animals 28085
breeding 36841
care 80603 80596*
deficiency diseases 36855*
feeding and nutrition 34982 80589 11798*
fur production 72384*
housing 38808*
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Crab louse SEE Phthirus pubis
Crabapples 78252
anatomy and physiology 33739
biochemistry 69273*
morphology 33739
Republic of South Africa 60750
rootstocks 9702*
varieties 34732
virus diseases 59173
Crabgrass SEE Digitaria
Crabro 5270
Crabro bicinctus 21347
Crabroninae 12961* 21335* 78783*
Crabwood SEE Carapa
Crambe 17230
Crambe abyssinica 34547 50982* 50983* 59809* 69652*
Crambe katschyana 51729*
Crambe maritima 41461*
Crambidae 5547 12989 12991 12990*

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Item

Crambidae--Cont
taxonomy 5351 38433 82670 92574 21364*
Crambinae 5463*
Crambopsis SEE Bleszynskia
Crambus 5351 5418 12602
Crambus argyrophorus group 82670
Crambus contaminellus 5363
Crambus lithargyrellus domaviellus 12990*
Cranberries
analysis and composition 76624*
anatomy and physiology 1152
breeding 9649
conferences and congresses 17363
culture 33044 34671 58827
diseases 41658 41720 58876
fertilizers 26229
fruit set 1152
fungus diseases 16060 33350 41840
industry 14044 22284
irrigation 61554
nematodes 50566
pest control 4708 20591
Massachusetts 41658 55515
New Jersey 20829 58876
Washington 41720
pests 20830
policies and programs 22293 22305
pollination 81930
regulation and inspection 22385*
statistics 22448
vitamins 76624*
weed control 17672 34978 43769 70028 78184 89282
yields 34671
Cranberry Institute 22293
Cranberry juice 48296
Cranberry tipworm SEE Dasyneura vaccinii
Crane flies SEE Tipulidae
Crapemyrtle SEE Lagerstroemia
Craspedolepta 5233* 12930*
Craspedoxantha 5176
Crassula 32797
Crassulaceae 8256 86438*
Crassulacean acid 16642
Crateagus 19060 24619*
Crataegus nigra 23964*
Crataegus pentagyna 23964*
Crataeva roxburghii 77792
Crates 6943 13188 48419 14077* 65180* 93671*
Cratichneumon cottrelli 73769*
Cratnodes n g 29368*
Cratocentrini 47115*
Cratocentrus 47115*
Cratolestes n g 82382
Cratopoda n g 82382
Cratoxylon arborescens 90253
Crazy-top
corn 41752
Cream
analysis and composition 6197 6210 83917
bacteria 56644 56640* 83766*
chemistry 83917*
coagulation 48081
concentrated sweetened 13831
consumption 30544 93335
contamination 93369 93356*
cultured 6367 56640*
defects 6283 22068
delivery 30558*

Item

Cream--Cont
fat 56656 83935*
fermented 6344
flavor and odor 39339 83810
for whipping 74829*
frozen 48071* 56760* 65520* 74864*
grading and standardization 74829* 83862*
homogenization 6365* 56793*
hydrogen-ion concentration 56656
judging 39327*
keeping quality 74814*
marketing 22048 39307 56789 74784
packing 56789 93420
pasteurization 13844
prices 65493
processing 6389 30664 56803 93420 93435 13837* 30592* 30646* 56768* 56792*
equipment 39391 56737*
products 6367
properties 47948 13849*
quality 83862*
sterilized 56789
storage 93420 83766*
tests 93435
whipped 83946 13849* 30646*
Cream separators 56208* 92894*
Creameries SEE Milk plants
Creatine 11540*
Creatinine 20360 11540* 83333*
Creatonotus gangis 47207
Credit 7379 7386 23015 31707 31721 40320 40328 49024 49378 49572 57656 57669 57671 57680 57689 57940 66399 66416 75885 85232 40329* 76224*
associations 75871*
Australia 40290 66771
Belgium 49029 23007* 49031* 85206*
Brazil 15182 40307* 49036* 75889* 85224* 94183*
California 66404
Canada 23021 23022 23025 23028
Ceylon 31709
Chile 23003*
Colombia 14708* 40306*
commodity 40301 40326 49037 57698 65876
conferences and congresses 14710 31719 40317 57662 85214
consumer 22999 66405 23038*
cooperatives 23023 23024 23034 31711 85212 85241 49030*
Burma 66412*
Denmark 40303 40305*
Fiji 14702
Germany 23008* 57700* 85204*
Great Plains 7392
India 49033 75146
Indonesia 66413
Middle Western States 7392 14714
Netherlands 14709
Peru 66413
Puerto Rico 23001*
Sweden 31700* 57695*
Switzerland 57686*
Taiwan 85243*
Tunisia 85238*
Turkey 57699*

Item

Credit--Cont
cooperatives--cont
United Arab Republic 14701
Vietnam 15342
costs 22999 66403
Czechoslovakia 85186*
Denmark 7384* 40312* 40321*
developing areas 40309*
El Salvador 23004*
Europe 66411* 85192*
France 23005* 31705* 66401* 85208* 85213*
French Overseas Territories 94181*
Georgia 66397
Germany 23016* 40300* 40311* 40595* 66415* 75880* 94180*
Great Britain 7383 94178
Greece 85202
history 66398 85233 66408* 66412* 85235*
Illinois 14695 14704 23014 40319
India 7394 7507 23015 22171—22173 22276 22650—22652 22697 31722 31723 49035
Indonesia 66408*
Italy 31720* 40315* 57687* 57688* 57693* 75861* 84331* 85227*
Japan 85220* 85234*
Kansas 14719
Latin America 94312
legal aspects 75872 31716* 57697* 85222*
Libya 22998
Maryland 66396
mortgage 23039 75850 85211 85229 85233 85237 85241
Denmark 14712* 40305*
France 66401*
Germany 85222*
Illinois 85233
India 14705 14717 40316
mutual 7396* 23018* 40322*
Nebraska 94186
Netherlands 14700* 23037* 31718* 75868* 75879* 75892*
Northern Ireland 7395
Norway 14739* 57690*
Ozarks 7382
Philippines 75887
Poland 94187
policies and programs 7388 23011 23012 23036 31710 31713 31714 31724 31727 40304 40313 49025 57664 57678 57683 57701 66406 75866 75873 75882—75884 75890 75891 85197 85217 85239 85240 85242
Australia 22995
Germany 85215*
India 23120 49034
Italy 23032* 85216*
Nebraska 49028
New Zealand 94174
Rumania 75875*
Venezuela 57681*
situation and outlook 14885 14932 31718 57668 57674 57676 57679 57682 57694 57696 85205 85231 66402*
Spain 66410*
statistics 40325 49038 66400 85198 7396* 40314* 94184*
study and teaching 14716*

Item

Credit--Cont
Sweden 30028* 31704* 31725* 57685* 57703* 85190* 85219* 94175*
Tennessee 85236
Trinidad and Tobago 14694
USSR 40323* 66375* 75888*
United Arab Republic 14701
SEE ALSO Banks and banking; Government, aid to Agriculture; Indebtedness; U S Dept of Agriculture, Commody Credit Corporation; U S Dept of Agriculture, Farmers' Home Admin; U S Farm Credit Admin; and UNDER names of commodities, industries, and Government agencies
Credit Agricole et Cooperatif d'Egypte 14701
Creditkassen for Landejendomme i Ostifterne 40303*
Credito Agricola de Habilitacion (Paraguay) 49499*
Creightonella 55897
Cremastogaster SEE Crematogaster
Cremastus 47113*
Crematogaster 5322* 38402* 82598*
Cremnops 5303
Cremnorrhinus basalis 47055*
Creolestes SEE Bathypogon (Creolestes)
Creolin 37749*
Creosote
in particle board manufacture 79596*
in wood preservation 2836 10970 19185 44968 44992 53570 74331 79481 44993* 71445*
insecticides 4699 4771
Creosote oil 62100* 71433*
Crepidodera ferruginea 46478 73243
Crepis capillaris 24643* 77404*
Crepis gmelini 15807*
Crepis multicaulis 15807*
Crescentia 33525* 60285*
Cresoform 45292*
Cresol 16040*
p-Cresol 6641
Cress SEE Watercress
Crested wheatgrass SEE Agropyron cristatum
Crezee B 23777*
Cribraria 67624
Cribrochamus n g 38088
Crickets
anatomy and physiology 29770 56007 73873 82832 82846 82851 13056* 13061* 13067* 29762* 55991* 64704* 73865*
as pests 20740*
Bulgaria 47218*
control 92073
cytology 29755 56008 64702 13063* 13065*
Eastern States 29749
eggs 5568 29761 38541 56007 82824 82831 82846 92643
geographic distribution 21454
Greece 47217*
habits and behavior 64710 82852 55991*
nutrition 82851
parasites 29763
rearing and breeding 82832 82851
taxonomy 64710 82852 47208*
types 73870
Criconemoides curvatum 24485

*Text of this reference is not in English.

Item

Criconemoides xenoplax 41769
Cricotopus dizonias 73719*
Cricotopus silvestris 73719*
Crime SEE Arson; and SUBHEAD theft UNDER specific subjects
Crimean pine SEE Pinus nigra caramanica
Crimson clover
anatomy and physiology 68782
culture 25429 34516*
fertilizers 52692
germination 77513
virus diseases 55207
Crinkle
sugar beets 73189* 73198*
Crinkle leaf
cherries 68014
citrus 59137
Crinum moorei 33701*
Crinum pratense 16948
Criocerinae 82272*
Crioceris 82272*
Criodion tomentosum 82614*
Crithidia rileyi 46970
Crocidosema plebejana 64613
Crocus 70153*
Crocus sativus 9957* 25962*
Croesus septentrionalis 21332
Croft lily SEE Lilium longiflorum
Cronartium comandrae 437
Cronartium comptoniae 24294
Cronartium fusiforme 415
16003 53387 61909
Cronartium ribicola 8472
8496 33294 33337
53362 67784 67940
86885*
Crop (poultry) 63273 63279
12408* 80826*
Crop estimates 22448 22654
30326 75347 75336*
Australia 84493
Belgium 74549*
Czechoslovakia 30324
India 13609 14312 30387
31070 31072 31073
31074 31075 31084
31085—31087 31094
31149 31150 31151
31536 31604 39783
39787 39871 39872
40059 40197 40213
48225 48777—48779
55608 65850 65893
65894—65898 65947
66232 66243 66264
66271 74552 83646
84052 84463
Oregon 75245
Pakistan 31203 31204
31205 39579 48161
65950 75609 84403
Rumania 94062*
Sweden 39093* 47834*
USSR 14207* 14265*
Venezuela 22277* 22452*
65840*—65842* 66272*
75042* 75252* 75253*
75365* 75810*
Washington 75245
Crop insurance 40343 40345
75902
Canada 40341 40353
85254
Great Plains 94192
Montana 57720
Sweden 23055*
USSR 7404* 14729*
Crop losses 15951 39786
81418 56515* 63900*
65253*
conferences and congresses 93182
SEE ALSO SUBHEAD losses UNDER specific subjects
Crop Quality Council 25269
Crop reporting 65268 93680*

Item

Crop statistics 13608 21910
30315 39026 39110
56510 93189 93190
Belgium 6068* 83573*
California 56528 74560
Canada 74563
Delaware 56265
Denmark 21931*
Germany 21913* 39087*
49359* 56507* 65835*
93177*
Great Plains 13581
India 6063 6087 74550
Indiana 6080 6081
Louisiana 13576
Malaya 83587 83588
Missouri 13585
North Carolina 56510
Poland 6101*
Crop yields 30316 39110
67677 35444*
India 13609 56332
Louisiana 2340
Netherlands 83570*
research
statistical methods 52714*
Switzerland 30270*
Crops SEE Cash crops; Catch crops; Cover crops; Field crops; Nurse crops; Root crops; Stubble crops; and names of crops
Cropworms 46009*
Crossidius 38125
Crossocerus 55891 12961*
21335* 73783*
Crossotarsus 82326*
Crossotolejeunea 204
Crossotus 46817* 92348*
Crossties SEE Railway ties
Crotalaria 67401*
Africa 41430
Comoro Islands 58687*
cytology 744
disease resistance 67795
Malagasy Republic 58687*
seeds 20224
taxonomy 41430
toxicity 7076 20224 45336
virus diseases 560 59192
Crotalaria aridicola 63130
Crotalaria clarkei 2355
Crotalaria intermedia 823
Crotalaria juncea SEE Sunn Crotalaria
Crotalaria mucronata 42349
Crotalaria spartioides 42942
Crotalaria spectabilis 54829
Crotalaria striata SEE Crotalaria mucronata
Crotalaria trifoliastrum 63130
Croton 25775 41317*
Crotonaldehyde 52770*
Crotonylidene diurea 10687*
59947*
Crown dieback
Pinus nigra calabrica 18840
Crown gall 8573 16100
67959 33364* 51195*
59104*
Echeveria scaphylla 59098*
fruit 24396
Juglans 67960
Kalanchoe daigremontiana 520* 33351*
Lochnera rosea 16982
raspberries 33354
reviews 77488
Scorzonera 59943*
sunflowers 59102
tomatoes 59848
Crown rot
alfalfa 33144
Crown rust
oats 901 8481 16002
33311 50411 50412
Crownvetch Coronilla 43237

Item

Cruciferae 41435
abnormalities 42219*
anatomy and physiology 8940 42701*
bacterial diseases 524
530
breeding 52154 42701*
89221*
disease resistance 52154
fungus diseases 8450
hybrids 50900
pest control 4644 20730
12517* 12519* 46476*
81698*
pests 29672 46925 63949
92560 12516*
Poland 139*
pollen 50900
seeds 524 12519*
taxonomy 41436 32851*
USSR 86438*
virus diseases 77250*
weed control 52226
Wisconsin 41436
Cruciferae oil 22701 31417*
Crustacea 62425*
Cruz Lapazaran Beristain J 86204*
Cruzobius 55661
Cryoscopy 1151 6247 6248
13756 47935 47943
83748 42564* 74749*
83805* 93328*
Cryphalomorphus 38154
Cryphia 73858 82679*
Cryphis muralis 64634 64641
73830
Cryptacarus 29291 12756*
Cryptantha 32814
Cryptanthus 34813*
Cryptaphis 82563
Cryptarcha 29359
Crypthecodinium 86536
Cryptobium 82255*
Crytoblabes gnidiella 21408
Cryptocentrum 106
Cryptocephalus 21113
Cryptocerata 82502*
Cryptocercus 12841
Cryptocheilus 82602
Cryptocheilus annulatus 92547*
Cryptococcosis 36349
Cryptococcus laurentii flavescens 56461
Cryptococcus neoformas 16596
45670*
Cryptodesmidae 29300
Cryptodiaporthe myinda 77019
Cryptodiaporthe populea SEE Dothichiza populea
Cryptodiaporthe salicina 50267
Cryptogams 15836 58599
32993* 58573* 76901*
77677* 86410*
Cryptohelcostizus 38117
Cryptolestes ferrugineus 29401
Cryptolestes pusillus 55525
Cryptolestes turcicus 64352
64353 92377
Cryptomeria 26885 79311
19013*
Cryptomeria japonica
anatomy and physiology 71238*
fertilizers 26925* 61869*
71238* 79324*
fungus diseases 16047*
germination 53412
injuries 55578*
morphology 24669*
pests 55578*
planting 53433*
pruning 26926*
seedlings 71238* 79324*
wood 2846* 11131* 53731*
71492* 90361*
Cryptomycella 32943*
Cryptomyzus behboudii 47033*

Item

Cryptomyzus galeopsidis 21282*
Cryptonemiales 67555 67556
Cryptophagidae 29328 38089
55721 92353 21095*
Cryptophagus 29408 82271
92353 21095*
Cryptophagus acuminatus 5034
Cryptophilus 21095*
Cryptopidae 92319*
Cryptoppia n g 29291
Cryptorchism 11223*
cattle 45697
dogs 11764
rabbits 37144
swine 4263 20520* 81162*
Cryptorhynchus lapathi SEE Sternochetus lapathi
Cryptostictis 41578 58810
Cryptotaenia japonica 68775*
Cryptothrips maritimus 73896*
Cryptympana coreanus 81773*
Crypturinae n sfam 92542*
Crystal violet 3088
Crystal violet vaccine 54823
55065 28686* 37398*
55075* 55082* 55113*
63655* 63665* 63672*
Csek J 23782*
Ctenarytaina 29564
Ctenerioptera SEE Erioptera (Ctenerioptera)
Ctenicera aeripennis 82348
Ctenicera aeripennis destructor SEE Ctenicera destructor
Ctenicera destructor 12803
29347 82348
Ctenidae 55680* 82125*
Ctenistes 29368*
Ctenistes (Tecnesites) n sgen 29368*
Ctenizidae 82121*
Ctenocephalides felis 20634
56033*
Ctenoglyphus 38020
Ctenolepisma 29804*
Ctenolepisma villosa 13102*
Ctenomyces mentagrophytes 3726*
Ctenomyces serratus 258
Ctenophthalmus 38575*
Ctenophthalmus congener 4489 4550
Ctenopteris 58737*
Ctenus erythrochelus 82635
Ctesias 64359*
Cubacroton n g 41317*
Cubaris 4920
Cubitermes 5601*
Cucubalus baccifer 41426*
Cucujidae 12824 29401 64352
64353 92377
Cucullia absinthii 5400
Cucullia argentea 82673*
Cucullia bubaceki 47164*
Cucullia verbasci 29646
Cuculoecus 5594
Cucumbers
analysis and composition 48401 39642*
anatomy and physiology 9163 16398 25113
42620 59525 68709
69062 77096 87691
16778* 24804* 25179*
34058* 42767* 51386*
59462* 59770* 60024*
68053* 68360* 68774*
68894* 87328* 87970*
88091*
bacterial diseases 527
521* 24383* 48429*
67958*
biochemistry 8427
breeding 1852* 25855*
34947* 42015* 52106*
69948* 69985*
contamination 48414*
costs and returns 15105*

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Item

Cucumbers--Cont
culture 69985*
Alaska 1833
Australia 1882 9837 25870
Belgium 17635* 52109*
Czechoslovakia 69987* 74320*
Finland 78147*
Germany
East Germany 30077*
Great Britain 1837
Japan 25810*
Netherlands 1903* 9833* 17615* 25814*
New York 34924
Norway 52147*
USSR 69935* 69961*
cytology 42210* 42211*
disease resistance 8612 50328 43628* 67904*
diseases 33092*
fermentation 65808 48429*
fertilizers 52698*
flavor and odor 48401
for processing 1842 6720 25870 75111
fungus diseases 8427 8537 58960 77096 86933 43628* 67904*
control 58990 33155* 41849*
genetics 8814 16428 87412*
harvesting 29928 43587*
hybrids 1852* 68894* 17625*
injuries 58897
morphology 68255 77357 24613* 42292*
nematodes 42046* 68053* 68080*
pest control 37758
pests 55399*
planting date 89223*
pollen 68709
processed 39764 48449 84341 31068* 93621* 93663*
propagation 87328*
pruning 34940* 52082*
seeds 34208* 40154* 48895* 57102* 60024* 67904*
situation and outlook 65691 93552*
soilless culture 52136*
storage 14181
tests 75111
varieties 8612
Arkansas 1842
Bulgaria 89223*
Latvia 39642*
New York 25835
Norway 43587*
Sweden 69910*
USSR 17611* 25832* 34911* 43628* 60907* 69961* 89164*
virus diseases 594 8577 8612 8615 16156 50328 55434 77225 87056 41963* 42015* 59114* 77240* 87076*
Belgium 68016* 87096*
Canada 87046
control 8596
Germany
East Germany 33424*
Japan 77239*
transmission 42046*
weed control 89257 89362 43814*
yields 8814 34208 52122 15105* 59462*

Cucumis anguria SEE West Indian gherkin
Cucumis melo SEE Muskmelons
Cucumis sativus SEE Cucumbers

Item

Cucumis setosus 98
Cucumis virus 2C
Lagenaria siceraria 563
Cucurbita
diseases 15907 86685
fertilizers 16171
genetics 33811 50910 77432*
hybrids 68521*
nematodes 16171
pests 37689
virus diseases 8613 24449 33421
Cucurbita ficifolia 42850
Cucurbita maxima SEE Winter squash
Cucurbita moschata SEE Cushaw
Cucurbita pepo SEE Pumpkins
Cucurbita pepo ovifera 69613* 91662*
Cucurbitaceae 89237
bacterial diseases 521*
breeding 59368*
fungus diseases 461 15965 41765 58806 41869* 59039* 86834* 86939*
morphology 33723 59619 59368* 59455* 59515* 68235*
nutritive value 32469
pests 12512 81616
taxonomy 67452
Cud inoculation 45511 3339*
CUE SEE Cornell University Extender
Cuerna 29558*
Cuerna costalis 63996
Cuernavaca asparagi 64524
Culex 82453 82468
and disease 20677
Florida 38271
genetics 5198
Italy 82451*
Nigeria 82482
Poland 82462
Trinidad 73176
Culex aegypti SEE Aedes aegypti
Culex annulirostris 4018
Culex bitaeniorhynchus 81570
Culex erythrothorax 82454 82460
Culex fatigans SEE Culex pipiens quinquefasciatus
Culex fuscocephalus 37548
Culex gilliesi 21257*
Culex molestus 4441
Culex nigripalpus 38271
Culex pipiens 4368 4499 5202 81531 81548 29507* 46365* 73724*
Culex pipiens fatigans SEE Culex pipiens quinquefasciatus
Culex pipiens group 21260*
Culex pipiens molestus 38253 82449 63815* 64473* 82451*
Culex pipiens pallens 20680 21264 38273 82489*
Culex pipiens pipiens 4526 81523 81549 81550
Culex pipiens quinquefasciatus 37510
anatomy and physiology 82478 92481 92488 38277* 73724*
and diseases 55265 55363 81478 92024 92050 37580*
control 4512 55309 73152 63747* 81505*
tests 4407 4536 28849 28850 28892 81415
eggs 73724*
habits and behavior 73725

Item

Culex pipiens quinquefasciatus--Cont
insecticide resistance 37478*
nutrition 29526
parasites 5203
Culex quinquefasciatus SEE Culex pipiens quinquefasciatus
Culex salinarius 46980 82474
Culex salisburiensis naudeanus 29505
Culex spathifurca 20677
Culex spissipes 73176
Culex tarsalis 63861
anatomy and physiology 38280
and disease 55258 73137 81577
genetics 28802
habits and behavior 5202 55830 82480
insecticide resistance 28786 28802
parasites 73137
populations 55258 82480
Washington 55835
Culex territans 81451
Culex tritaeniorhynchus 37510 37548 55335 55336
Culex vagans 38273
Culex vinckei 38266*
Culicidae SEE Mosquitoes
Culicinae 12412* 82459*
Culicini 5207 29505 82475
Culicoides 38189*
abnormalities 5150 55779
anatomy and physiology 82435
and disease 20640 55301 63860
breeding places 5114 82435 82442 21209*
Congo 64413*
control 4509 81463
reviews 37555
Eastern States 46972
France 29445* 29446*
geographic distribution 64420*
habits and behavior 81463 82442 12869*
Iraq 21208
larvae 21209*
nomenclature 12890
Okinawa 46935
parasites 21230
Philippines 21177
pupae 5113
rearing and breeding 4509
Switzerland 5119*
taxonomy 46972 29419* 55771* 55795*
USSR 48969* 64416* 64825*
Venezuela 82413*
Virgin Islands 82442
Culicoides arakawae 82435
Culicoides arnaudi 46935
Culicoides austeni 12890
Culicoides crepuscularis 21230
Culicoides forattinii 82413*
Culicoides furens 81463 82442
Culicoides langeroni 55795*
Culicoides musilator 29445*
Culicoides nibleyi 46935
Culicoides odibilis group 29445*
Culicoides (Oecacta) 82413*
Culicoides picturatus 29446*
Culicoides piliferus group 46972
Culicoides pseudoheliophilus 29419*
Culicoides pulicaris 20640
Culicoides riouxi 29419*
Culicoides sylvarum 55771*
Culicoides truncorum 55771*

Item

Culicoides ustinovi 92469*
Culiseta 29487 82468
Culiseta melanura 4497 37545 81515 81558 82466 92487
Culiseta minnesotae 82470
Culiseta morsitans 29490*
Culiseta ochroptera 5197
Culiseta subochrea 29490*
Cultivators
France 83191*
Germany 47341*
East Germany 47365* 56126*
Great Britain 56136
Hawaii 47364
Hungary 74033* 74039*
maintenance and repair 74042* 83061*
marketing 83191*
Netherlands 13195*
operation 38664* 47342* 56132* 74034* 74040* 92749* 92751*
parts 47362* 56127* 74045* 83061*
Poland 74050*
rotary 21590 70184 29912* 83041* 92750*
Great Britain 92756
reviews 74026*
Switzerland 5729*
types 70184 13209* 13315* 56133* 83059* 89798*
USSR 2663* 13201* 79258* 85182* 85811* 92748* 92757*
Cultroribula 12756*
Culture 23437 58345
Austria 40532*
Costa Rica 15165
India 32141*
Italy 49415*
Morocco 40494
Netherlands 66884
New Zealand 58115
Nigeria 32143 40783
Republic of South Africa 65279
Texas 40785
Thailand 76361
Tropics 49423
SEE ALSO Human ecology; Social conditions; Social organization; and UNDER specific subjects
Culture media 3429 4397 12832 16404 16577 29452 38895 51017 68389 15913* 22036* 30275* 68790*
SEE ALSO UNDER kinds of culture media
Culverts 18899*
Cumarin SEE Coumarin
Cuminum cyminum 59880
Cuneifrons n g 29702
Cunninghamella 87356
Cunninghamella verticillata 50682*
Cunninghamia lanceolata 24216 26885
Cunonia capensis 77372*
Cupes boycei 55748
Cupiennius salei 4925*
Cupila 82271
Cuppari P 94888*
Cuprammonium compounds SEE Copper-ammonia cellulose
Cupravit 58919*
Cupressaceae 4742 92497*
Cupressales 19281*
Cupressocyparis leylandi 79193 79200
Cupressus 41847 71464 24590* 44731*
Cupressus arizonica 33321 59008 67858

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Item

Cupressus duclouxiana 19315
Cupressus goveniana 68118
Cupressus lusitanica 11136 53226
Cupressus macrocarpa 87259*
Cupressus sargenti SEE Cupressus goveniana
Cupressus sempervirens 80289
Cupressus torulosa SEE Cupressus duclouxiana
Cupriethylenediamine 62206
Curare 36268*
Curarelike substances 46367* 46722*
Curculio auriger 20823
Curculio elephas 29345*
Curculio proboscideus 20823
Curculionidae
abnormalities 92354*
Afghanistan 64391*
Africa 46836* 82274*
anatomy and physiology 38069 38114 38127 92354*
as pests
Arizona 4646
France 37621*
Hungary 73210*
Italy 37628*
Mexico 12576*
Nigeria 37661
Norway 20876*
Poland 46476* 46868* 81678*
Borneo 46834*
Bulgaria 5037*
Carpathians 21106*
Chile 46831*
collections 82274*
Congo 21141
cytology 12848
eggs 4996 82212*
food and host plants 28769 38127 73633 55736* 64385*
France 29404*
genetics 64361*
Germany 38087*
East Germany 55747*
Great Britain 4971 12828 73590
habits and behavior 46912 38070* 64375* 82212*
identification 4992 5007 55762*
India 21084 38114
Jamaica 21154
Japan 12831 38113 38134 46872 82310
larvae 38113 38249 82212 38111* 82217*
Mexico 73616
Near East 55727*
Netherlands 55720*
nomenclature 73590 46834*
North America 4992
nutrition 38127
Pakistan 21084
Palearctic Region 21120* 92356*
parasites 4384 38390 73638 4695* 82604* 92457*
Philippines 46835*
Poland 82238
populations 29379
rearing and breeding 55752 55735*
Republic of South Africa 81817
surveys 81678*
taxonomy 21121 21130 38069 46872 73590 73616 82238 82289 38111* 64372* 64378* 64391* 82266* 82274* 82310*

Item

Curculionidae--Cont
USSR 12857*
United Arab Republic 81884
Western Hemisphere 46906
Curculionoidea 5010
Curcuma 8776 25096
Curcuma longa 797
Curds
analysis and composition 56654*
bacteria 65409*
chemistry 83752*
containers 13824*
defects 47987*
fat 65382* 83771* 83935*
flavor and odor 47986* 47987
processing 6351 13837* 56764* 74874*
properties 48110
tests 65409*
Cureghem Ecole de Medecine Veterinaire 36307*
Curly dwarf
artichokes 8600
Curly top
cantaloupes 8592
Pelargonium hortorum 16131
potatoes 41981 42034 42035
tomatoes 540 33408
Curranops 92471
Currant juice
analysis and composition 6633 14055 30936 75200*
consumption 22301*
defects 57027
processing 57110
vitamins 22396 57027 75200*
Currants
abnormalities 59656*
analysis and composition 65701 39729* 75117*
anatomy and physiology 24904 73280 1135* 16693* 33835* 42582* 77500* 87534*
bibliographies 34680*
biochemistry 34277*
breeding 9662* 25653* 25654*
contamination 22405
costs and returns 15025 39586*
culture 88956*
Denmark 69776*
France 60720
Germany 17379*
Great Britain 9648 15025 50226
Italy 34682*
Netherlands 9656* 43436*
Northern Ireland 69782
Sweden 17364* 51979* 51999*
USSR 9672* 88964* 88965*
cytology 41311
disease resistance 59025*
diseases 33061*
fertilizers 78698* 78716*
flowering date 16694*
for processing 75117*
freezing 31028*
fungus diseases 8472 86885*
Austria 33331* 33349*
control 33298*
Great Britain 8434 24344
Norway 67814
harvesting 21613*
hybrids 25653* 25654* 29394*
industry 39586*
injuries 58849*

Item

Currants--Cont
morphology 87378 24586* 59394* 59656* 59657*
nutritive value 39729* 41076*
pest control 81803
Canada 73310
Germany 64010*
Great Britain 12570 12591 81748
USSR 37750*
Washington 37753
pests 12552 12780 33061* 81736*
planting 51985*
pollination 88971*
prices 39586*
processing 39729*
products 56552*
propagation 60726 68004 1722* 34668* 88956*
pruning 69789*
quality 75158*
refrigeration 14139*
spraying and dusting 33298*
varieties 8434 41477 41478 1722*
Denmark 69776*
Italy 34681*
Netherlands 9656* 43436* 75158*
Norway 58849*
Sweden 17364* 51979* 51999*
USSR 52007* 75117* 88971*
virus diseases 59144 68400 33419*
vitamins 14139*
weed control 35035 89379*
yields 43436* 51999*
Curry powder 74637*
Curteria n g 4955
Curtis,M A Botany of North Carolina 24080
Curupira 58701*
Curvularia 86809
Curvularia ellisi 41347
Curvularia intermedius 288
Curvularia lunata 67879
Curvularia siddiqui 41347
Curvulariopsis n g 58775
Cuscuta
anatomy and physiology 24987
control 9886* 9908* 60941* 78194* 78211* 89283* 89308* 89319*
Turkey 90147*
Venezuela 8260
Cuscuta australis 60973
Cuscuta lupiliformis 90147*
Cuscuta reflexa 77473
Cuscuta trifolii 43677*
Cushaw 34923 42176 75119*
Cushion gall
cacao 8346 8347 8358 8359 8386 8393 29080 41599 8319*
Custard apple 9195
Customs unions
Belgium 67073*
British Commonwealth 23603
Europe 23592 58205 67086 14114* 15375* 23186* 32347* 40978* 49577* 49607* 49617* 67080* 94096*
Latin America 40978* 41022* 49585* 49643*
Luxembourg 67073*
Custotychus SEE Lucifotychus (Custotychus)
Cuterebra 4455
Cuterebra lepivora 64408
Cuterebridae 64408
Cuticle 12724 37978 92301 73532*
Bombyx mori 46711 20999*

Item

Cuticle--Cont
Hymenoptera 73456*
Orthoptera 29761 38541 73859
Scorpionida 82196
Cutilia soror 5558
Cutin 9265 60318*
Cuttack (India) Central Rice Research Institute 34388 69331*
Cuttings SEE SUBHEAD propagation, by cuttings UNDER Plants and names and classes of plants
Cutworms 4669 55210 55384 81664 82735*
Cvoriscec I 86212*
Cyamepromazine 19880*
Cyanacethydrazide 36700 11697* 27449* 54026* 63466* 81098*
Cyanamid SEE Calcium cyanamide
Cyanamide 9429* 51479*
Cyanides 46735 34026* 68934*
Cyanidin triglucoside SEE Chrysanthemin
Cyanidium caldarium 24641
Cyanins 50864 51470 69199
Cyanoguanidine 51479*
Cyanomethylmercuriguanidine 86964*
Cyanophyceae
anatomy and physiology 32626 32680 33867 51264 87853 60080*
reviews 51077*
cytology 24656 8755*
ecology 16216* 33495* 42144*
India 219 231 24066
Philippines 77006
Portugal 32901*
taxonomy 221 50115*
USSR 223*
Cyanophyta 24068 32907 41524 15844* 41512* 87168*
Cyanotheca longipes 42195
Cyanotis 32742
Cyanuric acid 64448*
Cyathea 68264
Cyathus 68312
Cybalomia 47130*
Cybernetics 33459 49762* 54576*
Cybister confusus 92373
Cycadaceae 67463 87248
Cycadales 15790 68259 68336 33726*
Cycas 77354
Cycas circinalis 59576 68352
Cyclamate SEE Cyclohexanesulfamic acid
Cyclamen
breeding 17477*
culture 25712* 25715* 25786* 34820* 34827*
diseases 16053* 24172*
pest control 81828 24172*
seeds 25787*
soils 61637*
Cyclamen indicum 25788 68739* 68912*
Cyclamen libanoticum 58654
Cyclamen persicum SEE Cyclamen indicum
Cyclanthera explodens 68235*
Cyclic compounds 39278
Cyclindrocarpon radicicola 8863
Cyclitols 16732 90431 43000* 88212*
Cycloalliin 9318
Cycloconium 86746*
Cycloconium oleaginum 24217* 41742* 41826*
Cyclodiene insecticides 55377 55227*

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Item

Cyclohexanesulfamic acid 65155*
Cycloheximide SEE Actidione
Cyclones SEE Hurricanes
Cyclonexis annularis 41517
Cyclopentadiene 37491*
Cyclopropane 1364 3211 28060
Cyclopropene 22739
Cyclotella 32927*
Cyclotella nana 50114
Cycnic mendica 5390 38522
Cycnoches cholorochilon 88
Cycnoches cooperi 67513
Cycnoches ventricosum 88
Cydia molesta SEE Grapholitha molesta
Cydia pomonella SEE Carpocapsa pomonella
Cydistomyia 64434
Cydnidae 5226 5257 29575 82567*
Cydnodromella n g 4941
Cydnodromus n g 4941 55663 55696
Cylas formicarius elegantulus 29015 81684
Cylindera (Conidera) n sgen 21145*
Cylindera (Cylinderina) n sgen 21145*
Cylindera (Eriodera) n sgen 21145*
Cylindera (Eugrapha) n sgen 21145*
Cylindera (Leptinomera) n sgen 21145*
Cylindera (Oligoma) n sgen 21145*
Cylindera trisignata 64371*
Cylindera (Verticina) n sgen 21145*
Cylinderina SEE Cylindera (Cylinderina)
Cylindrocapsa 33594*
Cylindrocarpon radicicola 8445*
Cylindrocladium 8317
Cylindrocladium scoparium 59028 86732 24220* 24221*
Cylindrocystis 214
Cylindroiulus 64314*
Cylindroiulus teutonicus 38055* 55668*
Cylindronotini 29353*
Cylindrospermum 231
Cylindrosporium 32984
Cylindrosporium castanicolum 87488*
Cylindrosporium padi 8528* 24196* 41917*
Cylisticus anophthalmus 21480*
Cyllodes 29359
Cymatoderma 24107
Cymbella 32927*
Cymbidium
  abnormalities 42265
  anatomy and physiology 16631 34011
  culture 17442 25701 25694
  hybrids 17505
  judging 17524
  taxonomy 142
Cymbidium iridifolium 15754
Cymbidium madidum 15754
Cymbidium tigrinum 110
Cymbopogon nardus 31008*
Cymbopteryx n g 29702
p-Cymene 7055
Cymindis 38107* 46841*
Cymindoidea 21086*
Cymophyllus fraseri SEE Carex fraseri
Cymus obliquus 12933
Cynara cardunculus SEE Cardoon
Cynara scolymus SEE Artichokes

Item

Cynareae 32824 42301*
Cynem 24486
Cynipidae
  anatomy and physiology 29587*
  Belgium 38377*
  Great Britain 38368 38373
  nomenclature 47078*
  parasites 5272— 5274
Cynipoidea 47125 12951* 29593*
Cynips caricae 73773
Cynodon 9486*
Cynodon dactylon 17139 26246 52739 60517 70558
  anatomy and physiology 42473 52843 68535 68981 87919 88034 89724
  control 43705 43841 61010 60999* 89256*
  culture 25695 25752 51762 60782
  feed 11538 28622 62659 72008 80151 80189
  fertilizers 26246 35296 35297 35327 52692 70580 87919 89724
    Arkansas 80189
    Georgia 44197 70558
    Puerto Rico 10272
    Texas 2257 18320 18321 26344
  fungus diseases 439 41732
  hardiness 1815
  injuries 43737
  irrigation 2257 10272 26246
  Mississippi 43299
  morphology 16304 24572
  pests 12604 20780 37623 81825
  Republic of South Africa 42473
  seeds 7211
  soils 70580 89724
  weed control 43737 43750
  yields 89724
Cynoglossum latifolium 60301
Cynoglossum officinale 32512*
Cynoglossum vulgare 58868*
Cynosurus 59229*
Cynosurus cristatus 59287 59288 633* 88554*
Cynosurus echinatus 67448*
Cyperaceae
  Africa 24000* 41450* 58691*
  anatomy and physiology 87237
  Argentina 86574*
  fungus diseases 58939
  Illinois 58681
  taxonomy 15764 32795 41415
  Thailand 32789
Cyperus 33676 58691*
Cyperus esculentus
  anatomy and physiology 1221 1279 51387
  control 17716 52160 52190 52289 70103* 78197*
  germination 51101
Cyperus iria 15870
Cyperus rotundus
  control 1952 17683 17716 17818 52174 52231 78197*
    Australia 1905
    Florida 60974
    Tanganyika 34995
  plant parasites 1967
  propagation 89315
Cyperus tegetum 29370
Cyphella 33001
Cyphellophora n g 33020
Cyphellophora laciniata 33020
Cyphellopsis 33001

Item

Cyphomandra betacea SEE Treetomatoes
Cyphon 82271
Cyphononyx anguliferus 82635
Cypress SEE Cupressus
Cyprex 41917*
Cypriola 82225*
Cypripedium 16775 17455 17528
Cypripedium fairieanum 15750
Cypripedium insigne 16870
Cyprus Dept of Water Development 44349
Cyrillopsis 67495
Cyrnus 56022 82863
Cyrta n g 67579*
Cyrtacanthacridinae 29754 38534 38549 38550 47225 47226 64706
Cyrtarachne 4960
Cyrtogenius 64363*
Cyrtolaelaps 12762 64321
Cyrtolaelaps (Digamasellus) 82192
Cyrtolaelaps (Euryparasitus) 82192
Cyrtolophus 46858*
Cyrtopeltis 82566*
Cyrtophora citricola 82160*
Cystathionine 73486
Cysteamine 91106 19910* 87398*
Cysteine 5935 16275 25219* 59746*
Cysteochila 12921 29524
Cysticercosis SEE Hydatidosis
Cysticercus 93855*
Cysticercus bovis 3532 3457* 3491* 39986* 45580* 84676*
Cysticercus cellulosae 93852* 93856*
Cysticercus fasciolaris 36938
Cysticercus inermis 48668* 93852*
Cysticercus tenuicollis 63519*
Cystine
  determination 5935
  in animal physiology 4110 63077 63323 63613*
  in fibers 22198
Cystitis 63055 63054*
Cystocaulus ocreatus 63466*
Cystoderma 41542
Cystodinedria maxima 24062*
Cystoprosopa SEE Plesiomma (Cystoprosopa)
Cystoseira barbata 667* 73565*
Cystoseira fimbriata 50117
Cysts
  cattle 3508* 27795* 62863* 80395*
  dogs 19989 54519 80574 91199 63094* 91180*
  guinea pigs 91340*
  horses 72429* 80640*
  poultry 37023
  sheep 4140
  treatment 71787*
  SEE ALSO types of cysts
Cythocline lyrata oil 14491 14493
Cytidine 88074
Cytisanthus horridus SEE Genista horrida
Cytisus 23959*
Cytisus filipes 77783*
Cytisus scoparius 37961 89440*
Cytisus sessilifolius 60347*
Cytochromes 1403 8435 9267 9282 9287 16889 16980 34327 38247 42982 60322 68837 68838 88153 88179 88231 25208* 36157* 37943*
Cytodites nudus 81559*
Cytolichus 81536*

Item

Cytology
  dictionaries 23722
  reviews 12733 94844
  SEE ALSO Cells; Chromosomes; Genetics; Meiosis; Mitosis; and UNDER Insects and names and classes of insects; Livestock and names of animals; Plants and names and classes of plants
Cytophoma SEE Cytospora
Cytospora 8284* 24349* 58780* 58781*
  anatomy and physiology 33959 33960
  fruit 50349 67828
  Picea 41769
  plums 412 33219 41790 50324
Cytospora chrysosperma 33288*
Cytospora cincta SEE Valsa cincta
Cytospora leucostoma SEE Valsa leucostoma
Cytospora pruinosa 8517 33161
Czechoslovakia Ministerstvo Zemedelstvi Lesniho a Vodniho Hospodarstvi 71013*
Czernyola 64457

D&C Red No 15 74402
Dacetini 73790
Dacnusinae 92549*
Dacrydium 16906*
Dacrydium cupressinum 26921
Dacthal 17734 17810 17812 52196
Dactylin 51551*
Dactylipalpus 12855
Dactylis
  anatomy and physiology 725 1107 8929 25167 42576* 59790* 87737* 87759*
  culture 17142 69581 69509*
  fertilizers 1107 8929 10200*
  genetics 726 16415 68476*
  germination 59975*
  harvesting 43229 43276
  harvesting date 9495
  irrigation 61544*
  morphology 726 59480*
  nutritive value 1107 8929 9495
  pest control 334
  pests 29008
  planting 43263
  seeds 69581 69509*
  soils 61544*
  varieties 17220 25437
  virus diseases 541
  yields 88602*
Dactylis glomerata
  anatomy and physiology 1121 16506 16652 16861 25140 33892 50991 25133* 42826* 87532*
  cytology 24559 42198
  ecology 42111* 88661*
  fertilizers 16652 89708
  fungus diseases 24360*
  nutritive value 80114 27277*
  pests 29645
  varieties 1564 43301
  yields 1121 34485 69589 89708
Dactylispa capicola 82339*
Dactylispa subcapicola 82339*

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Item

Dactylium fusarioides 33020
Dactylocladus stenostachys 71597*
Dactylopiidae 92491
Dactylorchis majalis 165
Dactylorchis purpurella 164
Dactylosphaera vitifolii SEE Phylloxera vitifoliae
Dactylosternum abdominale 82336
Dactynotinae 92499
Dactynotus 92499 92520 82561*
Dacus cucurbitae 4673 12512 46591 81735 81771
Dacus diversus 5133 5134
Dacus dorsalis 4673 81743 81808
Dacus oleae
anatomy and physiology 4703* 46585*
control
Italy 4676* 4692* 4693* 4703* 20808* 20831* 29098* 29100* 37737* 46529* 46584* 46585* 81766* 81815* 92160* 92166* 92181*
Corsica 37714*
cytology 5063
parasites 28754* 37714*
Dacus tryoni 46573 64015 81808
Dacus tryoni neohumeralis 12861
Dacus tryoni tryoni 12861
Daffodil SEE Narcissus
Daffodil and Tulip Year Book 17507
Dagestanskaya Opytnaya Stantsiya Plodovo-Yagodnykh Kul'tur 9582*
Dahl G Coleoptera und Lepidoptera 73599
Dahl H 23802*
Dahlbominus 92535
Dahlbominus fuscipennis 37824*
Dahlia 5300*
anatomy and physiology 68214*
Australia 25756
biochemistry 60323*
culture 9710 25749 69883 89006 89040 25732* 34768* 60806*
fungus diseases 41901 33167*
varieties 9710 60762* 60806*
Dairies SEE Milk plants
Dairy barns
construction 5850 65000*
costs 38802 13353*
equipment 74366 21557* 56078* 74018* 75944* 83246*
Great Britain 5851
lighting 74266*
Norway 54208*
sanitation 30596* 74300* 91138*
Arkansas 81482
Germany 38730 65000* 38824* 74832*
Italy 80234*
Japan 83246*
Portugal 74285*
types 29895
ventilation 38793
Dairy cattle
adaptation 62569 3611*
anatomy and physiology 90900 27546* 45560* 54239*
associations 36434 54088 54104 3308*
Brazil 3610 84573* 91162*

Item

Dairy cattle--Cont
breeding 3243 3272 3273 3300 11460 11461 36385 36394 54112 54131 62614 71897 80044 80722 90502*
Australia 27519 27554 27564 71893 71907
Brazil 19632*
Canada 79982
Denmark 71904* 80066*
effects of age 54390*
effects of feeding 19738 80149 36500*
Florida 90883
Germany
East Germany 27523*
hybridization 27532*
Hungary 27533*
Italy 62539*
Sweden 62537* 80081*
USSR 11424* 27526* 27546* 27555* 54090* 54109* 54133* 62563* 90828*
inbreeding 54122 62622
Italy 11407* 11439* 27576* 36428* 54115* 62553* 62564* 62604* 91148*
Latin America 54466*
Maine 54092
Michigan 11430
New Zealand 39411
North Carolina 62562
Norway 71909*
research
statistical methods 11456
Sweden 27559* 62582* 80036*
Tropics 54099* 62590*
USSR 19686* 90808*
Yugoslavia 80059* 80067*
care 3463 3605 3608 11732 19667 19839 45716 54472 62713 80413 91135 91169 36500* 36764* 80489*
Australia 27936
Denmark 3355*
Germany
East Germany 88645*
Italy 19953* 27927* 91148*
Mississippi 27910
Netherlands 19731*
Northern Ireland 45499
Portugal 27934*
Puerto Rico 19961*
Texas 3370
Tropics 27946*
USSR 62970* 62995*
conferences and congresses
costs and returns
Canada 27562 45726
Germany 76246*
Great Britain 58048
Italy 7672* 15098*
Louisiana 36530
Norway 3317*
Sweden 45516*
culling 3603 27923 45716 80484
drying off 3474 54295 72285 90873
feed relationships 27676 40671 62686*
feeding and nutrition 3325 3335 3374 3379 3382 3492 3558 11498 11518 19721 19724 19728 19735 19736 19754 19767 27233 27590 27605

Item

Dairy cattle--Cont
feeding and nutrition--cont
27621 27654 36385 45464 45484 45503 45514 45528 54219 54234 54237 62644 72027 72037 72039 72064 80099 80130 80173 80184 80188 90900 90936 11515* 19763* 27649* 27661* 45505* 54199* 62665* 80128* 80180* 80288*
Alabama 19750 62680
Arkansas 45490
Australia 11504 19762 45509 71907 72032 80155 90921
Bulgaria 54175*
Canada 54151
conferences and congresses 27669
costs 3358 36505 36530 54187 54204 85667*
Brazil 27611*
Germany 11535* 72013*
Hungary 76095*
Norway 3390*
reviews 54174
Switzerland 11531*
Texas 11511
deficiencies 3554 19693 19738 36492 54307*
Denmark 54220*
equipment 5789 29895 21576* 29889* 38646* 92739*
Estonia 62685* 72043*
France 90896*
Georgia 19730 45502 54241 72033 72042
Germany 11497* 11535* 72012* 80174*
East Germany 27617* 80142*
Great Britain 80135
Hawaii 54147
Hungary 27614*
Illinois 11502 36165
India 3353 3386
Italy 19711* 27576* 36476* 90904* 91148* 91149*
Japan 93462
Louisiana 36530
Michigan 72069
Netherlands 27610 19731* 54169* 62664* 76175* 80110* 92739*
New Jersey 27681
New Mexico 19755
New Zealand 27676 69626
Northern Ireland 45499
Norway 36515* 54208* 62661* 62662* 62695* 72011*
Ohio 11472
pasture 3328 3329 11505 11514 27612 45506 80106 3367* 27660* 72006* 80139*
Alabama 3345 62680
Australia 3378 11467 11495 19697 43264 62638
Denmark 45527*
Germany 11526* 27643*
Great Britain 17147 77935 77967 80143 80182 90908
Kentucky 72059
Mississippi 3327
Netherlands 36489* 62688* 80120*

Item

Dairy cattle--Cont
feeding and nutrition--cont
pasture--cont
New Zealand 27639 68731 90926
Ohio 80171
Oklahoma 54227
Sweden 80161*
Trinidad 11483 54244
USSR 54186*
Yugoslavia 80103*
Poland 45524* 62653* 80187* 90920* 90944*
recent developments 19725 45473 71982 90943 90928*
Republic of South Africa 3400
research
linear programming 54180
statistical methods 54154 72030
Rumania 80192*
seasonal 11505 19717 36526
Brazil 90914*
Bulgaria 62686*
Czechoslovakia 27634* 54340*
Denmark 3355* 11508* 54176*
Estonia 62693*
Finland 54235*
Germany 11506*
East Germany 19718* 54170*
Great Britain 19727 62658
Italy 19710*
Massachusetts 54167
USSR 3384* 11539* 72024*
Southern States 3404
Sweden 11521* 45513* 54171* 72005* 80160*
Texas 3370
USSR 54159 11662* 27636* 36514* 54139* 54156* 54197* 62677* 72063*
Wyoming 3326 80113
Great Britain 3299
herd classification 3612
housing 30037 27634* 65011* 71984*
Czechoslovakia 38811*
designs and specifications 83232 38823*
Germany 47555*
East Germany 74269*
Great Britain 56276 56286 74297
Italy 13353*
Netherlands 30054 30055*
USSR 21705*
labor 49077* 75944*
Czechoslovakia 66488*
Germany 40404*
Netherlands 14758* 54169*
USSR 75912*
losses 27729
meat production 3254 45727
Australia 76211
effects of breeding 62539* 71911*
effects of feeding 62691*
Germany 76246*
Italy 11713* 62539* 72265* 72279* 80367*
New Zealand 91153
milk production 3629 4473 11545 11710 11737 19920 27917 45724 66683 80506 91135 91167 19963*

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Item

Dairy cattle--Cont
milk production--cont
27767* 45560* 45663*
54422* 54467* 62813*
72220* 80481* 80482*
91147*
Australia 27925 80484
Czechoslovakia 80495*
effects of age 45428
45671 54324 19780*
45708* 62995* 71935*
effects of breeding 3283
3304 3305 11393
11456 19677 36466
36467 36468 36469
45428 45460 54086
62574 71898 11400*
11409* 11438* 11444*
27515* 27532* 36414*
45406* 45455* 54084*
54132* 54133* 62580*
62582* 62606* 62624*
62974* 90819* 90820*
Australia 71949
90877
Brazil 80018*
Chile 54117*
Czechoslovakia 90853*
90870*
Denmark 11435
Estonia 80070*
Hungary 27533*
Lithuania 11466*
Norway 36462*
Poland 71935*
71940*
Republic of South
Africa 54111
Sudan 45398
Sweden 62583*
Tropics 62527*
USSR 54094 3269*
11424* 27526* 27545*
27546* 27558* 54090*
62563* 80097* 90808*
90828* 90833*
effects of disease 3446
3502 3533 19888
36702 39261 45615
62772 80280 3473*
3564* 19827* 27892*
45670* 54356* 62729*
72107* 90980*
effects of drugs 3555
36722 47921 80239
80240 83846 54165*
effects of feeding 3325
3329 3351 3358
3385 3391 3393
3397 3608 6322
11470 11482 11485
11507 11511 11512
11514 11525 11534
19703 19720 27593
27612 27648 36505
36526 44064 45469
45482 45483 45489
45501 45615 54187
54192 54204 54363
62967 67129 71658
72009 72014 72046
72052 80114 80115
80117 80175 80511
3340* 3377* 3407*
19732* 19733* 19743*
19769* 27598* 27600*
27603* 27660* 27683*
36485* 36489* 45406*
45493* 45496* 45507*
45517* 54086* 54166*
56670* 62689* 62693*
62704* 65525* 65539*
70403* 72066* 72071*
72180* 80102* 80105*
80120* 80139* 80153*
80154* 80180* 90907*
90948*
Australia 3381
45525 54202

Item

Dairy cattle--Cont
milk production--cont
effects of feeding--cont
Bulgaria 54217*
90952*
Czechoslovakia 90949*
Denmark 3354*
France 3367*
Germany 11524*
East Germany
27617* 27659*
Ghana 54200
Great Britain 62658
80143 90908
Iowa 90935
Italy 72038*
Mississippi 3327
New Zealand 90926
Norway 3317*
27616*
Ohio 90894
reviews 11492
South Dakota 19772
Sweden 36490*
45516* 54232* 72016*
USSR 3334* 11486*
19690* 54156* 54188*
54239* 62654* 62699*
62702* 72001* 72029*
72057* 80138* 80168*
90917* 90956*
Virginia 54190
Yugoslavia 71989*
90888*
effects of housing 54456
11722* 38824*
72266*
effects of milking 11715
21578 80517 91173
27919* 27937* 29875*
29883* 36706* 62953*
72180* 91161*
effects of temperature
3481 3634 45398
Germany 27920* 27921*
45720* 72283*
East Germany 27949*
Great Britain 54479
Hungary 27911*
India 3608
Italy 13847* 27927*
27930*
Japan 27503*
Latin America 54466*
Netherlands 27945*
54493* 91158*
Norway 54208*
Poland 54486* 62981*
Puerto Rico 19961*
seasonal 3481 45460
62574 62992 72285
80502 80511 83809
11438* 56802* 62980*
72224* 80492* 83788*
Australia 45525
54468 72276
Florida 54459
France 62974*
Japan 91144*
Sweden 36490*
USSR 62726* 62911*
71901* 72200* 72258*
Yugoslavia 36760*
80067*
Netherlands 62987*
Ohio 54491
purchasing 45716
records and testing 3304
3306 11731 11734
11735 19684 19974
27917 27928 27940
27941—27944 36416
36466—36469 36472
45725 54082 54131
71891 80496 62615*
Arizona 27903
Australia 27905 27906
54475 72272 80509
90822 91168 91171

Item

Dairy cattle--Cont
records and testing--cont
Austria 3604*
Belgium 62993*
Canada 62982
equipment 21580
91163
Finland 27914*
Germany 11712* 27935*
45708* 45710* 45721*
62808* 91166*
East Germany 72259*
Great Britain 3626
11446 27513 27907
36438 36754 54480
62559 62617 80193
Iceland 19969* 80514*
Illinois 54485
Ireland 3626 11446
36759
Italy 11409* 72262*
72263*
Maryland 62986
Netherlands 11729*
27939* 72284* 91175*
New York 11723
New Zealand 3288
21580 45671
North Carolina 62562
Norway 36461* 45717*
62994* 71909*
Oregon 27948
Pennsylvania 54470
Sweden 11733* 19957*
62984* 62988* 79992*
Switzerland 72278*
Republic of South Africa
80017
research
linear programming
45733
sanitation 80450 3564*
19954*
selection 11460 19667
19687 36472 27545*
36447* 45721* 71950*
74691* 80062*
shelters 64983 80491
shows 19667 72286
situation and outlook 3617
statistics 6399
Sweden 27736
trade 7881 58297
Tropics 3611*
types 3283 45460
62622 90877 27915*
USSR 71968*
watering 3634 45482
weight and measurement
54339 45721* 62606*
62808* 62813* 72200*
Dairy Cooperative Association
22043
Dairy Council of Richmond
74771
Dairy Engineering Conference
65361
Dairy Herd Improvement
Associations 11731 27940
27941—27944 36466
36467—36469 45715
Arizona 27903
Canada 27562 45726
72275
directories 72273
Illinois 45733 54485
Iowa 91157
New York 72273
Dairy Husbandry Research
Foundation 56770
Dairy Industries Exposition
6352
Dairy industry 3601 13718
54472 56595 56596
56687 65358 30494*
47904* 93286*
accounting 6182 13683
56607 58001 65359
65371 76237 94471*

Item

Dairy industry--Cont
advisory services 48003
74652 76159 11712*
Alaska 21732
as an occupation 13694
13695 13714 13851
22154 93266 93274
30446* 30453* 39226*
conferences and con-
gresses 13710
associations 47900 74659
74668
Brazil 21997*
Germany 30497*
Indiana 56597
Italy 93254*
Netherlands 6380*
83943*
New Zealand 93279
93280
Pennsylvania 30482
Switzerland 65377*
Australia 6176 65360
74671 85487 93264
Austria 30498*
Belgium 83715* 93256*
93277*
Brazil 13682* 21991*
22006* 22008* 56614*
Bulgaria 56601*
California 56624*
Canada 21998 79982
93253
conferences and congresses
39225 47881 47894
47899 65361 74641
74666 74677 93270
Australia 6169
Belgium 74855*
Brazil 22004*
Germany 65353* 65354*
Great Britain 13708
39251
Netherlands 93260*
New Zealand 6184
21993 54488 93278
Northeastern States
65372
Pennsylvania 30482
Vermont 6193 56620
Virginia 56621
contests 6269 6273
48002
cooperatives 5980 6268
6274 13779 22043
22045 30548 30549
30554 30555 30566
30568 39305 39309
56676 56686 65446
Argentina 74800*
Australia 47972
California 74774
Denmark 14706 39228*
India 30560 65445
65456
Iowa 6281
Netherlands 23377*
83824*
New Jersey 30550
New York 6264
30550 83834
New Zealand 6262
6275 6278 6282
30547 74785 83832
93348
Norway 74786*
Ohio 30545
Poland 83712* 83839*
Sweden 40572 83838*
85564*
Taiwan 83830*
Wisconsin 30562
costs and returns 7601
39237 54192 66683
32045*
Arkansas 58003
Australia 58040
Brazil 76270*
California 7662

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Item

Dairy industry--Cont
costs and returns--cont
Florida 49321
France 76163* 94357*
Great Britain 23326
Hungary 76171*
Indiana 23369 76128
Michigan 7662
Minnesota 57919
Netherlands 23377*
New Mexico 7657
New York 7655
15071 40554 49301
49313 49329—49334
49343—49345 57917
58023 58024 58044
66740 66765 76263
76264—76266 76282
85630
New Zealand 15082
66424 94435
Pennsylvania 23330
57955 58002
Scotland 23366
Utah 15109
Virginia 54190 58020
credit 23010 57675
23027*
Denmark 39404 56782
74648 74880 83724
13689* 13690* 13704*
30476* 32404* 47879*
56589* 56757*
developing areas 93271
dictionaries 39227*
directories 6352 83918
Denmark 93261* 93262*
France 47882*
El Salvador 13698
equipment 48036 48038
48075 48111 56751
56781 65038 65496
65504 65515 65530
65543 74837 74877
93011 13182* 30639*
30659* 30673* 56735*
56796* 56800*
Denmark 39404
Iran 30669*
Pennsylvania 21561
Sweden 39368*
USSR 22109
Europe 6185 83722
13702* 30478* 31848*
European Economic
Community 6186* 74662*
74674* 83713* 83716*
83738* 93265*
farms 15055 30576
94740 66700*
Australia 14971 19697
49234 54474 74362
74377
Congo 76137*
France 13862* 30459*
30460* 94357*
Germany 15046* 30034*
31947* 74124* 80277*
Great Britain 36421
76233 76240 76243
India 85746
Indiana 23369
Japan 23347 36764
36764*
layouts 56281*
management 3605
7420 7601 15009
23581 40540 40603
49238 54435 54472
66683 76217 85477
54121* 92960*
Arkansas 15024
Australia 57968
76211 76215 85483
85487 94438
California 7662
Florida 91165
France 31982*
76163*

Item

Dairy industry--Cont
farms--cont
management--cont
Germany 80489*
East Germany
27617*
Great Britain 15043
76159 80193 94432
Hungary 76095*
76171*
Illinois 45733
Indiana 76128
Italy 91149*
Japan 14982 7641*
Kansas 49085
57982
Louisiana 85579
Malagasy Republic
85488*
Michigan 7645
7662
Netherlands 76175*
New York 40554
57917 66740 66765
85630
New Zealand 15029
49276 57950 85606
94435
Norway 76177*
Pennsylvania 49229
76107
Surinam 57907*
Sweden 85563*
85564*
USSR 7594* 7620*
14992* 15011* 19970*
23302* 54496* 66614*
76147* 85479* 85534*
Netherlands 23377*
31926* 91158*
New York 49301
49313 49329—49334
49343—49345 76263
76264—76266 76282
New Zealand 53476
57966 76142 88655
Northeastern States
56209
Pennsylvania 66889
Portugal 94471*
Republic of South Africa
74378
Sweden 40572
Switzerland 14985*
Taiwan 40578*
Texas 31943
USSR 66702*
Finland 47896*
France 30459* 30460*
56594*
Germany 30445 39248
6191* 13709* 30467*
31848* 39239* 56615*
65367* 74657* 74675*
74680* 83725* 83905*
93255*
Great Britain 6185
13687 30479 65373
74865 74879 83904
6190* 13785* 30448*
93259*
reviews 83720
history 65355 74787*
93401*
Germany 30453* 30458*
31947* 39250* 74663*
74678*
Great Britain 83901
Ireland 30472
Italy 47885* 56606*
Kansas 93285
Norway 30455* 30456*
47884*
Honduras 13678*
horizontal integration 74775*
Hungary 65369*
in art 93288*
India 74658 74665
74667 80498 47905*

Item

Dairy industry--Cont
Ireland 65368
Japan 83714*
labor 7420 57742
57762*
Germany 49100*
Great Britain 66464
Hungary 94212*
Kansas 49085
New York 40367
Norway 75944*
Pennsylvania 57730
Yugoslavia 94233*
legal aspects 74682*
legislation 6172 6292
83736 22012* 56613*
65476*
Luxembourg 65366*
mechanization 64796
73945 13270* 73973*
73976*
Montana 65370
Netherlands 39236*
New York 30447
New Zealand 56605
74672
Nicaragua 13684* 13705*
Norway 13681 30480*
39230* 39244* 56604*
56608* 56609*
Pakistan 83719
Pennsylvania 21984
policies and programs
47890 47900 48103
57809 74669 47889*
74654*
Australia 6175 30442
30487 30495 56592
93281
Brazil 21988* 39231*
California 74651
Canada 6168 74670*
Czechoslovakia 80495*
European Economic
Community 74684*
83729*
Germany 6188* 93436*
Great Britain 83732
India 30468 30469
30473
Italy 13711* 22005*
Netherlands 13706*
39233* 83721*
Switzerland 6189*
USSR 39234 75057
production regions
public relations 6266
65433 65434 65443
65451 65455 74646
93342
Australia 13777
France 74642*
Germany 56616*
Virginia 74771
regulation 13787 48004
74783
Denmark 30488*
Dominican Republic
21989*
Europe 30563* 30564*
Finland 30449*
Netherlands 6171*
Scotland 6194
Republic of South Africa
83730
research
linear programming
39237 57955
statistical methods
6402 14456 47951
65382* 74738*
sanitation 6252 13812
13820 22037 22101
30672 30686 47324
48003 48038 48039
48044 48051 48065
56774 56775 56777
65517 65542 74847
74872 74873 74881

Item

Dairy industry--Cont
sanitation--cont
83927 92215 93390
93395 93415 93437
6306* 6331* 6370*
6381* 11665* 13169*
13728* 13879* 22090*
30575* 30624* 30657*
30684* 39405* 48080*
48093* 48109* 56784*
56786* 56806* 56807*
65513* 65522* 74853*
Czechoslovakia 6354*
France 13862*
Germany 13878*
Italy 65500* 83888*
Netherlands 39376*
Norway 56739*
Puerto Rico 22088*
reviews 30674
Spain 56734*
Sweden 30627*
Texas 13804
Scotland 6195
shows 74643*
situation and outlook 6180
13680 13691 13703
21990 22003 30451
30471 39232 39253
39439 47898 65356
65379 74649 83718
93267 13697* 22001*
30464*—30466* 83734*
Australia 6170
Austria 65362*
Belgium 74683*
Brazil 21987* 21991*
22052* 39246*
Canada 13701* 47901*
Czechoslovakia 39238*
Denmark 56600
Europe 83737
Finland 83735*
Germany 13712* 30461*
30483* 30496* 65357*
65365* 74650* 74655*
74681* 75852* 93257*
Great Britain 6284
83737
India 30468 30469
56599 74676 93276
Ireland 13707
Netherlands 74661*
93273*
Northern Plains States
30477
Norway 30443*
Oregon 93258
Pennsylvania 39229
83757
Texas 6183 13688
USSR 39234
Virginia 6174
South America 22000
South Dakota 21985
Southwest Africa 93287
statistics 48118
Australia 13881
Belgium 39408* 39409*
Canada 30691
Denmark 13882*
Germany 39410*
Netherlands 83949*
New Zealand 39411
Norway 48115*
Scotland 22120 30692
Sweden 48117*
Switzerland 74888*
USSR 13880* 13884*
83950*
Wisconsin 14441
study and teaching 13699
13714 47887 47906
56596 56611 65378
93266 93283*
Australia 6376 13835
56770
Brazil 21983* 56588*
California 93268

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Item

Dairy industry--Cont
study and teaching--cont
Denmark 56598
Finland 39254*
Germany 13696 13693* 30446* 30462* 30489* 83717*
India 13686 56593 83723
Massachusetts 13692
Netherlands 6178* 6181*
Republic of South Africa 80507
Vermont 6345
Yugoslavia 93284*
subsidies
Australia 23234 31909
Austria 14948*
Brazil 21988*
Germany 56728*
Great Britain 94346
Netherlands 39314*
Venezuela 40536*
supplies 6352 83918
Sweden 93282*
Switzerland 13677* 47883* 47903*
terminology 39249* 83731*
Texas 6173
Tropics 13713 30457 56598 93272
USSR 30485*
Virginia 39255
vertical integration 74775*
waste 3034 70770
reviews 74766*
water supply 30633
56736 74378 30677* 56787*
Wisconsin 30553
SEE ALSO Dairy barns; Dairy cattle; Dairy products; Goats, milk production; Horses, milk production; Milk; Milk houses; Milk plants; Milking; Milking machines; Milking stalls; Sheep, milk production
Dairy Industry Buyers Guide 13685
Dairy products 6270 22042 47976 65433 65434 65443 65451 65455 74792 83825
advertising
France 56674* 74769*
Germany 30559* 39239*
Switzerland 47964*
analysis and composition
6219 22026 39268 39283 65401 65425 74704 83753 93302 93317 93327 6242* 6256* 13737* 30506* 30507* 30516* 47926* 49740* 56637* 74699* 83755*
equipment 6245*
reviews 6196
bacteria 6386 13748 22035 30508 30650 39268 47916 47918 56636 74709 74745 83797 6224* 6230* 47941* 56665* 65385* 93299* 93809*
reviews 47942
Brazil 22014*
chemistry 6215 83485 6246* 22038* 39275*
consumer preferences
13769 74758 74759 47953*
consumption 74763 93333 93334
Australia 7969
Brazil 22040*

Item

Dairy products--Cont
consumption--cont
Canada 65431 83818
Europe 83890
Georgia 74438
Germany 22054* 47958*
Great Britain 83890
India 30473
Italy 65109*
Mississippi 74759
Poland 30540*
containers 30612* 56722* 56724*-56726* 83871*
contamination 30574 30604 38974 65425 83728 6305* 93809*
cultured SEE Milk, fermented, products
defects 6288 83485
dried 65534*
fat 6215
feed 37331*
flavor and odor 6288 47994 83485
reviews 30583
frozen 22044 56691*
Germany 30342* 46679*
grading and standardization 93375
Australia 6288
Canada 47720
Germany 13813*
India 83852
international 22065 22066 22070*
history 56625*
hydrogen-ion concentration 6246*
Italy 13679* 39592*
judging 39333*
labeling 6328 22059
losses 6388
manufacture 6388 13851 65533 93426 65544* 74870* 83945*
Bulgaria 22098*
Europe 83722 83890
France 13855*
Germany 6390* 39392*
Great Britain 83890
Netherlands 39372* 93400*
Northern Ireland 83894
study and teaching 48064 48066 93423*
USSR 56769*
marketing 6270 30546 47966 47968 48103 56687 56696 65442 74780 74783 74789 74799 74803 56724* 56725* 56726* 75433*
Belgium 39318* 93339*
Brazil 22052*
California 56685
conferences and congresses 47971 56680 56681-56682
Europe 30563* 30564* 74795* 74796*
France 39318*
Germany 22054* 30557* 39239* 39317* 65448* 74775* 74778* 74782*
Great Britain 13687 30551 39316*
Mississippi 93343
Netherlands 39320*
New Zealand 56689
Ohio 83827
Rhodesia and Nyasaland 47975
statistics 39305
Switzerland 39315*
USSR 6300*
Wisconsin 22057
Wyoming 6277
microorganisms 47917*
North America 39256*

Item

Dairy products--Cont
nutritive value 7965 30473 67128 86089 23704* 86093*
reviews 86080
packing 6327 6328 6332 6338 6339 13819 93378 13829* 30606* 30607* 65486* 93381*
policies and programs 6320 86034*
prices 56733
Australia 23234
Brazil 22080*
control 48028* 86001* 86002*
Norway 31305*
support 76066
processing 65546 83923 56749* 83947*
properties 39268
quality 56702 6300* 19780*
Germany 30506* 74815*
Netherlands 39372* 74823* 93366*
reviews 30583
USSR 13880*
refrigeration 22087 22115 30642*
regulation and inspection 22059 38974 74812
France 56714*
Germany 74815*
international 22070*
Sweden 13814*
USSR 6300* 6309* 6311* 6321* 6956*
reviews 21992
situation and outlook 30444 30491 48083 74385*
starters 6387 13738 22035 30650 48110 56657 65496 93394 6230* 6358* 13845* 22099* 30640* 39400* 56665* 65404* 65511* 93384* 93399*
statistics 48114 56733 56811 65549 93442
Canada 6400 6401 83948
Great Britain 83581
Italy 48116*
Netherlands 93441
Poland 30540*
Sweden 48113*
USSR 93440*
sterilization 56749*
storage 13836*
taxation 31747*
tests 6206 6209 93330 39277* 65385* 74716* 74738* 93291*
equipment 6208 6220 83765*
trade 22066 40986 49645 58297 94771
Asia 7845 40986
Australia 7845
Brazil 22014*
Denmark 76519 32404*
European Economic Community 74684* 85971* 86001* 86002*
France 32391*
Germany 32391*
Great Britain 94790
Netherlands 93441
New Zealand 94790
Norway 94752*
Poland 85976* 86013*
transportation 30553 39306 65458*
utilization 13774 93337
vitamins 67134*
weight and measurement 22063 22064
SEE ALSO kinds of products

Item

Dairy Science Abstracts 47897
Dairyman's Cooperative Creamery Association 74774
Dairymen's League Cooperative Association 6264* 30549*
Dalakia n g 47130*
Dalapon 1045 17730 17810 33668 34000 34140 34977 34985 34989 34996 35025 35028 35035 35053 37970 43705 43798 43843 52169 52222 60947 78184 89282 89311 27362* 35763* 89256*
effects on plants 1045 1221 1230 16576 24778 24779 24881 33668 34000 34140 34977 43729 51042
formulations 35015 43706
residual effectiveness 35043
residues 27612 30585 29706*
Dalargentina n g 29706*
Dalbergia sissoo 8419 53388 35656*
Dalcera 29706*
Dalceridae 29706*
Daldinia concentrica 77338*
Dalechampia scandens 58630
Dalgety's Annual Wool Digest 30766
Dallisgrass SEE Paspalum dilatatum
Dalmasso G 76712*
Dal'nevostochnyi Nauchno-Issledovatel'skii Veterinarnyi Institut 19506
Dalpada 47004*
Dalpada eremica 5210*
Damaeidae 55658*
Damaeoidea n superfam 29283
Damaeus auritus 21075
Damalinia ovis SEE Bovicola ovis
Damalis (Protodamalis) n sgen 82382
Damalis (Zygocolon) n sgen 82382
Damaster blaptoides rugipennis 12836*
Damon variegatus 73539 82114
Dampfiellidae n fam 29283
Damping-off 484
Anacardium occidentale 50351
Antirrhinum 41875
beans 77178
Coniferae 16030
cotton 33312 41910
Cunninghamia lanceolata 24216
lettuce 77175
oranges 33332*
peas 77178
Pinus 403 12598
rice 86914*
Dams 26522
Australia 26410
construction 78845 5671*
Japan 70778*
Netherlands 18540* 70721*
Sweden 7723*
USSR 10407*
Damselflies SEE Odonata
Danaidae 47161
Danaus apoxanthus 21371
Danaus gilippus berenice 38439
Danaus plexippus 38439 38446 92624 64658*
Danckwortt P W 76743*
Dandelion SEE Taraxacum
Daniella salina 25245*
Danmarks Biavlerforening 81997*
Dansk Pelsdyravlerforening 20062*

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Item

Danske Hedeselskab 15488* 23717*
Danske Landmandsbank 94280
Danske Mejeriforeningers Faellesorganisation 39228*
Danthonia 93
Danthonia compressa 709
Danuriella 38546*
Danzig Politechnika Katedra Technologii Tluszczow 93924*
Daphne 9715 25722 69849 60949*
Daphne cannabina 19261
Daphne pseudo-mezereum 16323
Daphnia 27885* 27886*
Daphnopsis 41375
Daphnopsis crassifolia 86478
Dapidodigma 47142
Dapple
  apples 50498
Dapsilochaetus SEE Plesiomma (Dapsilochaetus)
Daptolestes SEE Austrosaropogon (Daptolestes)
Darcy equation 26046
Daritis 73841
Dark Brown soils 76186
Dark-Chestnut soils 2211* 43945* 52479* 89902*
Dark mealworm SEE Tenebrio obscurus
Darluca 86550*
Darwin C R 23855 49970 46303* 50909*
Dascillidae 82257
Dasheen 78149
Dasineura affinis 55790*
Dasineura brassicae 37622* 37626*
Dasineura chrysanthemi 92423
Dasineura pyri 12528
Dasineura vaccinii 20829 20830
Dasiops alveofrons 5126 73689
Dastur J F 86696
Dasybasis 64434
Dasychira abietis 38451*
Dasyclonium 86544
Dasyhelea 46965 64460
Dasyneura SEE Dasineura
Dasyomma 73695
Dasypoda dusmeti 55916*
Dasypoda dusmeti niveocincta 5312*
Dasyrhamphis 38198*
Dasyscypha 77132
Dasyscyphus 32958 87326
Dasyvalgus 73635*
Data processing equipment 15053 31668 32513 41127 23038* 76229*
  conferences and congresses 23845
  in accounting 94466*
  in agriculture 14684 49900 76788 85591 38594* 47303* 76236* 94966*
  in agronomy research 88287 88289
  in animal industry 3015 3249 11714 54487 65359 65371 36322* 36369* 45710* 45717* 54852* 62477* 65374* 72259* 79634*
  in electricity research 13405*
  in entomological research 76914 77314 82376
  in farm equipment industry 38756*
  in fertilizer research 35595
  in forestry 2630 10646 25774 35715 61682 61803 2602* 10545* 18757* 26798* 35671* 35674* 35680* 35682*

Item

Data processing equipment--Cont
  in forestry--cont 35688* 35689* 35933* 44583* 44642* 44691* 71018* 71027* 90095*
  in fruit and vegetable industry 48408 56968*
  in nutrition research 49675 49705 58335
  in plant research 34354 42350 69240 69316 69483 76914 77314 77308*
  in soil research 2057 9977 89909
  in sugar industry 66212* 85045*
  in wood-using industries 19246*
Date Grower's Institute 9588
Dates
  anatomy and physiology 832 1154 9088
  conferences and congresses 9588
  costs and returns 9600
  culture 89109*
  fungus diseases 390 24276 77134*
  harvesting 9600
  industry 22296 30927 84181
  marketing 14099 39675
  packing 14120
  pests 12544 81754 82600
  processing 14165 57084*
  situation and outlook 14099
  storage 14165
  thinning 8962
  varieties 9605*
Datura 16908*
Datura fastuosa SEE Datura metel
Datura ferox 16951*
Datura inermis 16716*
Datura innoxia 58647*
Datura metel 59577*
Datura meteloides 926
Datura stramonium
  anatomy and physiology 77620 16716*
  biochemistry 9254* 16951*
  Norway 9868*
  seeds 28577* 46225* 90910*
  toxicity 46225*
Datura tatula SEE Datura stramonium
Daucus carota oil 22723*
Daucus carota sativa SEE Carrots
Davaine C J 53978*
Davidia 24552
Davie Sir H 67219
Davies P A 8029
Davosin SEE Sulfamethoxypyridazine
Daxata 46816* 46817*
Daylily SEE Hemerocallis
DBCP SEE 1,2-Dibromo-3-chloropropane
D-D mixture 70036 77276 87113 8637*
DDAC SEE Dimethyloctadecylammonium chloride
DDD SEE TDE
DDE 66125
DDT
  analysis and composition 63727 20571* 55227*
  apple pest control 46567 55501 37707*
  application 55418 29143*
  bean pest control 55437
  carrot pest control 73244
  cattle pest control 4544
  chemistry 46375*
  corn pest control 28978 73229*

Item

DDT--Cont
  cotton pest control 28952
  determination 20566 63726
  dosage 64104 81539 81604
  effects on animals 30605 55287* 55288*
  effects on bacteria 37477*
  effects on fungi 20593*
  effects on insect populations 46567 81788 81916 29143*
  effects on mite populations 46567 29143*
  effects on plant disease 8549
  effects on plants 81630 81870 73127* 73265*
  emulsions 81714* 92249*
  field crop pest control 46438*
  flea control 28918
  fly control 4535 20560 73118 81493 28927*
  forage plant pest control 55418
  forest pest control 4748 4777 12650 81870 81916 29139* 29143* 55556* 92249*
  formulations 12650 37441 63742*
  fruit pest control 12554* 73286* 92164*
  grain pest control 63882*
  human pest control 28919 81528
  in butter 74701
  in food 38894
  in fruit 14068*
  in grain 6448* 73126* 73128*
  in milk 73206 74701
  in soils 4777 73202
  insect resistance 4336 4378 4413 4447 4452 12341 20560 20583 20591 28753 28802 28810 37441 46322 81363 81369 81398 81410 81425 81438 37461* 37478* 46351* 63732*
  Brazil 37490*
  Illinois 4368
  India 12345
  Israel 4441
  Malagasy Republic 63745*
  Mexico 28782
  tests 73118 12510*
  isomers 4333
  mosquito control 20585 28873 73139 81395 81471 81480 81539 81564 81604 4408* 4486* 28857* 37582* 37583* 55242* 55290*
  Brazil 20684* 37462* 37584* 37586* 55270*
  India 4546
  Italy 28824*
  New Guinea 63865
  peach pest control 81788
  physiological action 28813 37446 37529 64104 73139 81419 81425 81472 4516* 20664* 28996* 37497* 46367* 55242* 63754*
  poultry pest control 37508
  redpeppers pest control 81633
  related compounds 46347 73094*
  residual effectiveness 4321 28873 37798 81539 91951 81714*
  residues 12382 13496 30605 65100 66125 84288 73127* 73128*
  rice pest control 12441
  solvents 4321 92164*

Item

DDT--Cont
  storage pest control 12605
  sugarcane pest control 55243 55376
  sweetcorn pest control 46453 63907 63908
  synergism 12330 81419
  termite control 81905
  tests 91977*
  tick control 20664* 55292*
  tobacco pest control 55412 55428 55452*
  toxicity
    aquatic life 20885 55189 63796 63811*
    bees 64136
    birds 63716
    earthworms 81377
    insect parasites 12634 81788
    insect predators 46567 81788
    livestock 12382 20611* 55345*
    man and animals 28804 28805
    poultry 37508
    silkworms 20989* 46722* 73485*
    wildlife 73074 81916
  tree pest control 92196*
  vegetable pest control 92100*
  wood pest control 4771 73395 20922*
DDT-dehydrochlorinase 20605 37446
DDVP 55306 63750 63771
  application 4505 4561 4584
  fly control 46389 81596
  hazards and safeguards 4498 4592
  mosquito control 4499 63825
  tests 4528 4531
De La Warr Report SEE Gt Brit Committee on Further Education for Agriculture Provided by Local Education Authorities
Dean G A 40571 76745
Deane W 8126
Dearcla 5226
Debeaking 80796 91536
Debregeasia squamata 86512*
Decadarchis 21366
Decarboxylase 75112*
Decarynodes n g 38519*
Deccan Sugar Technologists' Association 40164
Dechomus 46887*
Deciduoma 80683
Decline
  oranges 33115
  pears 347 8349 33073 33123 42020 73289 77078 77697
Decorsea grandidieri 58686*
Dectes brevisetosus 73648
Deep suture
  cherries 68014
Deer
  as pests
    California 10706 79363 83282
    Florida 53435
    Lake States 26941
    Maryland 19034
    Pennsylvania 2763 26971
    Scotland 53441*
    Switzerland 61977*
  farms and ranches 14997* 85476*
  feeding and nutrition 1547 25440 53435 53486
  management 26976 79410 90805

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Item

Deer--Cont
New Zealand 42171
pests 28835 28836 92027 4572* 73143*
South Carolina 57221
Deer flies SEE Tabanidae
Deervetch 24707 33770 50852
Deet 92056*
Deferunda (Tugaia) n sgen 38289*
Deficiency diseases SEE names of diseases; SUBHEAD deficiencies UNDER Human nutrition; SUBHEADS deficiency diseases AND feeding and nutrition, deficiencies UNDER Livestock and names of animals; and SUBHEADS deficiency diseases AND nutritional deficiencies UNDER Plants and names of plants
Defoliants 1420 50162
Hungary 88155*
USSR 1526* 9038* 9422* 9621* 25410* 43138* 69455* 79478* 88487* 88489* 88491*
Degeeria luctuosa 73714
Degeeriella 73586
Degenerative diseases SEE names of diseases
Degenerative myositis SEE White muscle disease
Dehorning
cattle 20413 27759 36636 19584* 19875* 27765* 27840* 36727* 54444* 62818* 62855* 62923* 80335* 91045* 91047* 91104*
sheep 91714*
Dehra Dun Forest Research Institute 35623 70942
Dehydration 22940 39078* 74522* 83147* 83562*
equipment 83127 83142 83534 13277* 47780*
SEE ALSO High frequency heating, in food processing; and SUBHEADS dehydrofreezing; dried; drying UNDER names of commodities
Dehydration (pathological condition) 12139 63084*
Dehydroascorbic acid 1366 9314* 74410* 75114* 75115* 83336*
Dehydroevodiamine 77806*
Dehydrogenases
in animal physiology 20261 36566 45857 54765
in insects 37922 73817
in microorganisms 61189*
in plants 1407 48464 51570 75121 77605 42490* 60290*
in semen 36157*
in trematodes 27377
Deightoniella 58766
Deightoniella torulosa 436 1155 8492 8493 33265
Deilephila elpenor 12996
Deiopeia pulchella 55988
Delaeveria SEE Eupithecia (Delaeveria)
Delaware Forestry Dept 61716
Delaware River Basin Compact 76379
Delaware Valley Council Interstate Committee on Mosquito Control 81501
Delft Houtinstituut TNO 11097*
Delia antiqua SEE Hylemya antiqua
Delias levicki 21371

Item

Delnav SEE Hercules AC-528
Delocheilus 92363
Deloffre method 48922*
Delopyrum 58655
Delphacidae 29539 37629 37636 47026 55854 81663
Delphacodes mulsanti 38290
Delphacodes striatella 81663
Delphinobium 29533
Delphinium 43467 43469
anatomy and physiology 42696 42847 87796*
associations 43482
culture 9721 43521 43533 43553 43559 52053 89063
cytology 24592
diseases 41606
Great Britain 43488
hybrids 43519
judging 43516
pests 41606
pollination 42696
seeds 87796*
soils 43553
taxonomy 15787*
varieties 43477 9767*
Delphinium ajacis 33179
Delphinium consolida 50652*
Delphinium cultorum 16349*
Delphinium hybridum 50705*
Delphinium staphisagria 54524*
Delphinium Year Book 43482
Delphinium zalil 43519
Delta Plan 18453*
Deltinea n g 29709*
Deltinea costalimae 29709* 82676*
Deltocephalinae 21289
Deltocephalus 21289 64499
Deltocephalus (Insulanus) n sgen 64499
Demand SEE Supply and demand
Demand marketing SEE Futures trading; and SUBHEAD vertical integration UNDER names of animals and crops
Dematiaceae 67653*
Dematium 92522*
Dement'ev V M 58428*
Demeton
aphid control 4657
cotton pest control 20703* 20773* 20801* 81619*
determination 75097
effects on plants 20801*
mite control 63973*
physiological action 20801*
plant pest control 73322*
residual effectiveness 37505*
residues 75097 20774* 37505*
toxicity 4405
tree pest control 20930 20883* 92219*
vegetable pest control 29027
Democracy and agriculture 85854
Demodex 20668 63859*
Demodex bovis 19883* 20671*
Demodex folliculorum 29321
Demonstration farms
Denmark 7629* 49267*
Germany 40624* 51601*
Ghana 15020
Great Britain 40559 46293 49275 85582*
India 31949
Latvia 15016*
Mexico 23240* 23242* 40731*
Netherlands 53777* 57984* 94394*
Norway 49256 57929* 76117*
Sweden 28598*

Item

Demonstration farms--Cont
USSR 9423* 15014* 15026* 15037* 15041* 23265* 23283* 31778* 32006* 47525* 76078* 76153* 79899* 94398*
Dendranthema 32724*
Dendrobacillin SEE Bacillus dendrolimus
Dendrobium 169 791 17457 17540 17544 25769*
Dendrobium aries 58620*
Dendrobium louisa 16311
Dendrobium nobile 16870
Dendrocalamus macroculmis 88013*
Dendrocalamus strictus 13380 29155 43852
Dendrochernes cyrneus 92330*
Dendroctonus barberi 12654
Dendroctonus brevicomis 37814
Dendroctonus engelmanni 10775
Dendroctonus frontalis reviews 12631
Dendroctonus micans 55574*
Dendroctonus monticolae 20906 37814 55582 73402 82322 82323 92243
Dendroctonus pseudotsugae 4762 12645 12646 20895 21128 21343 64324 82325 82637 82638
Dendroctonus valens 4773
Dendrodochium toxicum 20082* 20390*
Dendrolimus pini 73838*
Dendrolimus punctatus 38444*
Dendrolimus sibiricus 20903* 29665* 29712* 46639* 55579* 55592* 64079* 64090* 64115* 64699* 73372* 73838* 81873* 81894* 81898* 81909* 92621*
Dendrometers 70836 78913 2623* 35695* 58486*
Dendropemon 29380*
Dendrophoma 58780* 58781*
Dendrophthoe SEE Loranthus
Dendrophthora 58666
Dendrophylax funalis 16205
Denitrification 2118 2134 18096 18101 44005 44054
Denmark Statens Foderstofkontrol 30704* 56757*
Denmark Statens Forsogsmejeri 39404 56782
Denmark Statens Planteavlsudvalg 34347*
Denmark Statens Smorbedømmelser 13792*
Denmark Veterinaerdirektoratet 45255*
Denmark Veterinaere Sundhedsrad 45256*
Dennstaedtia globulifera 32874
Dennstaedtia hirsuta 16400
Dennyus semicollaris 73907
Densimetry 85019 13760* 51555* 65406* 78369*
Dentaria heptaphylla 41453
Dentaria pentaphylla 41453
Denticera n g 47130*
Dentisblissus n g 38339
Dentitegumia n g 47130*
Dentoceras 58655
DenÜyl D 8045
Denver Public Library Conservation Center 49760
Deodar cedar SEE Cedrus deodara
11-Deoxy-17-hydroxycorticosterone 87908*

Item

Deoxycholic acid 37089
Deoxycorticosterone 80689*
Deoxycorticosterone acetate 20216
Deoxyribonuclease 4855 8973 55624 54679*
Deoxyribonucleic acid SEE Nucleic acid
DEP SEE Dimethyl 2,2,2-trichloro-1-hydroxyethyl phosphonate
Deporaus betulae 55752
Deporaus marginatus 38113
Deporaus tristis 55735*
Depressaria 64649
Depressaria astrantiae 13029
Depressaria erinaceella 37663*
Depressaria subpropinquella 55493*
Depressignus n g 92514
Depressions SEE Economic cycles
Deraeocoris 82538
Deraeocoris olivaceus 12946
Derbesia 234
Derispia 29388
Dermacentor 63808*
Dermacentor andersoni 21067 28820 28902 92320
Dermacentor latus 82127
Dermacentor marginatus 37519 28852* 28886* 64323* 82172*
Dermacentor occidentalis 37576
Dermacentor pictus 73154*
Dermacentor variabilis 21052
Dermanyssus avium SEE Dermanyssus gallinae
Dermanyssus gallinae 12416* 37573* 46393* 63836* 63857* 82161*
Dermanyssus hirundinis 73544*
Dermaptera
abnormalities 73903
Africa 29792
Alps 21475*
anatomy and physiology 5634 82898
Australia 5606
ecology 73877*
food and host plants 21453
Great Britain 56038 64724 64735 73866 82881
habits and behavior 5590
India 56016
Tanganyika 63827
USSR 92663*
West Africa 64735
Dermapteroida 21461*
Dermatitis 4718*
cattle 45664*
dogs 28017
man 46412 62468 81553 4718*
Dermatobia hominis 91996 28860* 28885* 63856*
Dermatolithon corallinae 15838
Dermatomycosis 27376 28511 19576* 36337*
Dermatophilus 11291*
Dermatophilus dermatonomus 28511
Dermestes 12618
Dermestes maculatus 64052
Dermestidae 64359*
anatomy and physiology 82280
control 64052 81426
genetics 73641
habits and behavior 5011 82280
hybridization 82282
Micronesia 64326
nutrition 4978 82281
Poland 29399
Sudan 82282
taxonomy 21126*
Dermocarpa 32901*

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Item

Dermocarpella 32901*
Dermoid cysts 45841*
Dermolepida albohirtum 20744
Dermoloma 41542
Derodontidae 46990 81871
Derographium 46910*
Deromyia 82354*
Deronectes 38075*
Deropeltis 82845*
Descarpentriesius n g 21313*
Deschampsia 15811* 79347*
Deschampsia caespitosa 8666* 41433* 59237* 59676* 77325* 78200*
Deschutes National Forest 2789
Desert locust SEE Schistocerca gregaria
Desert plants 60070
  anatomy and physiology 33577 77645 59857* 68659* 68767* 87621*
  California 86477
  Israel 33577
  nutritive value 4078
  Sudan 24511
  United Arab Republic 60044
  Western States 89002
  SEE ALSO Xerophytes
Deserts 18473 18484 18555 59277 60228 61057 61525 61548 66846 67267 60006*
  Africa 85818*
  India 66820
  Israel 35505
  Near East 59346
  Pakistan 66820
  reviews 60229
  USSR 76328 16839* 23420* 35475* 59273* 89525*
  Vietnam 26588*
  Western States 78872
  SEE ALSO SUBHEAD desert areas UNDER specific subjects
Desiantha maculata 73244
Desiccants SEE Defoliants
Desmarestia dudresnayi 32904
Desmatodon randii 68307*
Desmidiaceae 87262*
  Alaska 41509
  Illinois 32912
  morphology 50808 8720* 42560*
  Yugoslavia 16235* 16236*
Desmodium intortum 9454*
Desmodium racemosum 77761*
Desmodium triflorum 77940
Desmopachria 21114*
Desoxy—SEE Deoxy-
Desprez F 15577*
Desserts 23680
Destruxin 37474
Detergents
  effects on plant disease 33058 33363 50508 50521 67755
  effects on plants 16825* 59775* 87353*
  in dairy industry 36639 56114 93395 93415 93437 38649* 56786* 80429*
  in food industry 48609 84849
  in veterinary medicine 33058
  in wool processing 84091
  residues 6252 39000
Detonula confervacea 50114
Deuel H 49778* 86148* 94878*
Deuterium hydroxide SEE Heavy water
Deuteromycetes 8308 24089 67592 32947*
  biochemistry 43032*
  nomenclature 283
  reviews 59017*
  USSR 67583*

Item

Deuterophlebia 5151 64423
Deuterophoma tracheiphila 41730 24190* 67897* 86799*
Deutsche Agrarwissenschaftliche Gesellschaft 76454*
Deutsche Akademie der Landwirtschaftswissenschaften 27211* 32172* 40587* 40860* 66964* 76422* 85874* 94694*
  Arbeitsgemeinschaft Unkrautbekämpfung 89369*
  Institut für Agrarökonomik 75828*
  Institut für Landwirtschaftliches Versuchs- und Untersuchungswesen Rostock SEE Rostock Institut für Landwirtschaftliches Versuchs- und Untersuchungswesen
  Institut für Tierzuchtforschung Dummerstorf SEE Dummerstorf Institut für Tierzuchtforschung
Deutsche Botanische Gesellschaft 8122*
Deutsche Forschungsgemeinschaft 32592*
Deutsche Forschungszentralen für Schmetterlingswanderungen 92627*
Deutsche Gesellschaft für Ernährung 38870*
Deutsche Gesellschaft für Fettwissenschaft 66120 14475*
Deutsche Gesellschaft zur Förderung der Brauwissenschaft 83610*
Deutsche Landwirtschafts-Gesellschaft 13798* 13813* 13817* 30593* 30603* 38698* 39335* 39337* 48147* 48152* 56648* 65576* 74254* 76125* 76440* 83856* 83857* 84694* 85898* 93086*
  Landtechnischer Beratungsdienst 73965*
Deutsche Pflanzenschutz Tagung 41623*
Deutsche Veterinärmedizinische Gesellschaft 11234*
Deutsche Zoologische Gesellschaft 12315*
Deutscher Bauernverband 76459*
Deutscher Fleischer-Verband 84555* 84574*
Deutscher Schädlingsbekämpfer-Verband 37648*
Deutzia 58725*
Dew 52448 58548 15880*
Dewberries 25655*
Dexamethasone 19836*
Dexler H 54070*
Dexon 24357
Dextran 85007*
  in animal physiology 45297*
  in cattle physiology 91049*
  in fur animal physiology 72380*
  in sheep physiology 4126
  in swine physiology 12194* 46248* 55057* 55119* 55129* 81275* 91910*
Dextrins 22881 29347
Dextromycin 55143*
Dextrose SEE Glucose
Deyeuxia 41367
1,3-Di-6-quinolylurea 37267
Di-Syston SEE Bayer 19639
Diabetes
  dogs 28111 45748 63017 72353 11753* 91215*
  horses 28111
Diaboline 51459

Item

Diabrotica 20770 29032 82215*
Diabrotica balteata 81641 92137*
Diabrotica longicornis 12438 20690 20793 37616
Diabrotica undecimpunctata howardi 20793 37616 37689 63890
Diabrotica virgifera 20702 20793
Diacanthus puncticollis 12835*
Diacetyl SEE 2,3-Butanedione
Diachlorini 38198*
Diacra 38289*
Diadelia 29336*
Diaeretellus 92557*
Diaeretiella 38405
Diaeretiella rapae 46450 63905
Diaeretus rapae SEE Diaeretiella rapae
Dialdehyde starch 84762 93735 83898*
Dialdehydes 6530
Dialeurodes citri 4679
O,O-Dialkyl O-cyanophenyl phosphates 20604
O,O-Dialkyl O-cyanophenyl phosphorothioates 20604
Dialkyl tin compounds 84770
Dialox n g 92328
Dialysis 16983 20177 26083* 70245* 85046*
Diamerus 5031
6,9-Diamino-2-ethoxyacridine 62383 53893*
Diaminobutyric acid 51450
Diammonium phosphate 72028
Diamond-skin disease SEE Swine erysipelas
Diamond Walnut Growers 6656
Diamondback moth SEE Plutella maculipennis
Diamox SEE Acetazolamide
Diamphidia n g 21414*
Dianella 25187
Dianthus
  bacterial diseases 50441* 77197*
  culture 78100 89083*
    Finland 52039*
    France 60804*
    Great Britain 25713 43525 78130
  fertilizers 78573*
  fungus diseases 77110* 78973*
  planting 60737*
  shows 78130
  varieties 17450 89083*
Dianthus arenarius 46608*
Dianthus armeria 125
Dianthus barbatus 77236 78129 59500*
Dianthus caryophyllus 31634 78101
  anatomy and physiology 33845 59976 59983
  bacterial diseases 41768
  biochemistry 51465*
  breeding 86192
  culture 17415 17440 25735 78106 78115 78116 78120
    California 25697*
    Rumania 52041*
    Spain 52024* 57610*
  diseases 41669 33034* 33070*
  fertilizers 18332 18265*
  fungus diseases 41768 59029 67870 67903 24340* 86859* 86882*
  history 78118
  industry 66298*
  marketing 25697*
  morphology 42183
  nematodes 24485 603* 609*

Item

Dianthus caryophyllus--Cont
  nutritional deficiencies 24811
  pest control 37760 33034*
  propagation 41768 78109*
  transportation 31635
  virus diseases 33422*
Diapetimorpha 38417
Diaphania nitidalis 28954
Diaphnidia 5232
Diaphnocoris n g 5232
Diaphorases 33184
Diaphorina citri 12566 37693 37699
Diaphorina putoni 12918*
Diaphragm 45857 63009
Diaphragmatic hernia 27791 54573 62790 3586*
Diaporthe citri 86764*
Diaporthe eres 58992*
Diaporthe medusae 67875
Diaporthe phaseolorum 42463
Diapriidae 5309 29610* 92555*
Diarrhea
  cattle 36564* 45247*
  causes 90621
  dogs 36783
  poultry 28256
  sheep 45247*
  swine 28694 72975 45247*
  treatment 11313*
  SEE ALSO Scours; Virus diarrhea
Diarylhaloethanes 37446
Dias J P da S 76714*
Diasemia litterata 38437
Diasemia ramburialis 13008 38437
Diasphax n g 82517
Diaspidae SEE Diaspididae
Diaspididae 73739 82524 82573 92492 37484* 73326* 92497*
Diaspidini 82562
Diaspidiotus 4751
Diaspidiotus perniciosus SEE Aspidiotus perniciosus
Diaspis pentagona SEE Pseudaulacaspis pentagona
Diastase 7958* 14307*
Diastatidae 64433
Diastatomma 21500
Diastatopropis 46910*
Diastictis artesiaria 92588*
Diatoma hiemale 33684
Diatomaceae 67558 68670
  Alaska 32927*
  anatomy and physiology 839 16352 51174 59655 667* 8865* 50699*
  collections 67574*
  ecology 8655
    Antarctic Region 33518*
    Atlantic Ocean 33518*
    Black Sea 661* 68144*
    Ems Basin 24542*
    France 8689*
    Japan 59332
    Norway 642
    Republic of South Africa 59243*
    USSR 667*
  Estonia 86541*
  France 32926*
  Italy 15830*
  Kenya 86540*
  morphology 50768 33703*
  Scotland 41508
  Switzerland 8282*
  taxonomy 50768 227*
  USSR 15630* 24060*
Diatraea saccharalis 55383*
  and plant disease 20743*
  control 73220 73223
    tests 28989 29000

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Item

Diatraea saccharalis--Cont
parasites 81701 29009*
Diatraea venosata 37625*
Diatropomma n g 82361
Diaulinopsis 47072
Diaveridine 91480
Diazinon
analysis and composition 4398*
human pest control 63745*
insect resistance 4364 55237 91966*
mushroom pest control 28991
physiological action 4465 37481
synergism 91966*
1,4-bisDiazoacetylbutane 87480*
Dibenzoylthiamine 65079*
N,N-Dibenzylethylenediamine dipenicillin G SEE Benzathine penicillin G
Dibotryon morbosum 41783
Dibrachoides druso 4662
Dibrom SEE Naled
1,2-Dibromo-3-chloropropane 8424 16171 33435 55507 61641 603*
1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate SEE Naled
1,2-Dibromoethane 61641
Dibromotetrachloroethane 84320
Dibutyl phthalate 81433
Dicaelus 4977
Dicalcium phosphate SEE Calcium phosphate
Dicaptol 36931*
Dicentra 68381
Dicercomyzon 56043
Dichaetothrips 56013
Dichanthium 16437 42199 58629 58637 88562
Dichanthium annulatum 1023 3353 33680 59388 59517
Dichanthium aristatum 58629
Dichanthium caricosum 58629
Dichanthium sericeum 58637
Dichapetalum cymosum 52301
Dichapetalum michelsonii 11358*
Dichapetalum toxicarium 34311
Dichillus 92372*
Dichiloboea 90 32696
Dichlone 25046
Dichloral urea 43752*
5,6-Dichloro-2-benzoxazolinone 22628
Dichloro diphenyl trichloroethane SEE DDT
2,3-Dichloro-1,4-naphthoquinone SEE Dichlone
2,6-Dichloro-4-nitroaniline 6717 22335 48432 75186
2,3-Dichloroallyl diisopropylthiolcarbamate 34984 34992 35002
2,6-Dichlorobenzonitrile 34959 35012 35779 43673 43770
Dichlorodifluoromethane 90639*
Dichloroethane SEE Ethylene dichloride
2,3-Dichloroisobutyrate 33668
Dichlorophen 63474 12121*
2,4-Dichlorophenol 24949 52204 77413
2,4-Dichlorophenoxyacetic acid SEE 2,4-D
3,5-Dichlorophenoxyacetic acid 87993

Item

O-2,4-Dichlorophenyl O,O-diethyl phosphorothioate SEE V-C 13 Nemacide
3-(3,4-Dichlorophenyl)-1,1-dimethyl urea SEE Diuron
2,4-Dichlorophenyl ester of benzene sulfonic acid SEE Genite
N-(3,4-Dichlorophenyl) methacrylamide SEE Dicryl
Dichlorophenyl-methoxymethylurea 43731 52308 52315
O-(2,4-Dichlorophenyl) O-methyl phosphoramidothioate SEE Zytron
1,3-Dichloropropene 61641
3,4-Dichloropropionanilide 52233 89386*
2,2-Dichloropropionic acid SEE Dalapon
Dichlorotetrafluoroethane 90639*
2,2-Dichlorovinyl dimethyl phosphate SEE DDVP
Dichocrocis punctiferalis 37625*
Dichondra 8253
Dichostathes 92348*
Dichozoma n g 29702
Dichrocephala latifolia 58688*
Dichroplus bergi 82837*
Dichrostachinic acid 60316*
Dichrostachys SEE Cailliea
Dickson J G 76739
Dicksonia 68264
Dicladispa 48901*
Dicladocerus 47072
Dicornua n g 82180
Dicosmoecus 21481
Dicotyledons
biochemistry 9241 77764
cytology 8781
Ghana 50046
Lithuania 58683*
morphology 8788* 59654*
New Zealand 9241
Republic of South Africa 8781
wood 62171*
Dicranaceae 67552*
Dicranocentrus 56047
Dicranocephalus pilicornis 38314
Dicranopteris SEE Gleichenia
Dicranostigma lactucoides 25248*
Dicranota 29409
Dicroceliasis SEE Lancet flukes
Dicrocoelium dendriticum 4461 3493* 4141* 28854*
Dicrocoelium lanceatum SEE Dicrocoelium dendriticum
Dichrohelea blantoni 82394
Dicryl 1049 1339 43716
Dicteisia 5594
Dictionaries 85465 23137* 76017*
SEE ALSO UNDER specific subjects
Dictophora n g 21145*
Dictydium 67624
Dictyla 5222
Dictyocaulosis SEE Lungworms
Dictyocaulus arnfieldi 45829*
Dictyocaulus filaria 46262* 63466* 79860*
Dictyocaulus viviparus 36323 36736 62742 62743 91071
Dictyopharidae 82517
Dictyophora indusiata 50719*
Dictyoptera 21460 38546*
Dictyostelium discoideum 24975
cytology 24660 33659 24584* 33631*
morphology 33634

Item

Dictyostelium mucoroides 16896
Dictyotales 60064
Dicumarol 27895 72698 19990* 45273*
Dicumyl peroxide 84927*
Dicyandiamide SEE Cyanoguanidine
Dicyphoma ryckmani 29435
Dicyphus (Brachyceraea) 47017*
Didesmococcus megriensis 81741*
Didieraceae 23970* 41441*
Didymella 256 67867
Didymella applanata 15977
Didymella exitialis 77179*
Didymella lycopersici 24375* 33328*
Didymium iridis 33754
Didymocarpus 90 32696
Didymocephalus 21312*
Didymopsis locustanae 67633
Didymosphaeria 67634 304*
Didymuria violescens 81899
Dieback
Betula 50476 79242
citrus 1117 15912
coffee 34075
Dianthus caryophyllus 67903
Fraxinus 8387 8517 33161
Larix 77132
Pinus ponderosa 37815
Spartina townsendi 1060
Ulmus 374 4767 8459 8549 12640 15968 16054 20927 24300 24379 24380 33305 37808 37816 41816 41850 50289 50290 50293 50300 50326 50333 50363 53421 55560 55580 58964 58967 64073 67830 77173 77187 90240 90225*
Dieffenbachia 1819 8567
Dieldrin
alfalfa pest control 20718
analysis and composition 20571*
banana pest control 29089
cotton pest control 20713*
determination 4385 4448 14070 65403 74412 84071 91980
effects on animals 28865
effects on plants 16586 81870 92063*
flea control 28918
forest pest control 81870
formulations 4580 28921
human pest control 37442 81528
in butterfat 65403
in fibers 84071
in forage plants 4621 28921
insect resistance 4323 4378 4410 4426 20556 37442 81395 81398 81438 20575* 37478* 37490* 63745*
livestock pest control 28858 63816
mosquito control 4323 81395 81584 4581* 20636* 63747*
Brazil 20684* 37586* 55270*
nut pest control 20824
oat pest control 81727
ornamental plant pest control 92203
physiological action 37463
potato pest control 46475* 63896* 63936* 92130*

Item

Dieldrin--Cont
residual effectiveness 4575 4580 28858
tea pest control 73275
termite control 73116 81905
tests 63896*
toxicity 4429 4831 46392 81377
wood pest control 4760 20875 73363 73395
Dielectric analysis bibliographies 2027
Dielectric constants 14245*
Dielectric heating SEE High frequency heating
Diels-Alder reaction 7061*
Diemodynerus n g 82599*
Dienestrol diacetate 11896 54228 80819
Diepoxybutane 21220
Diesel oil 37444* 73397*
Diet SEE UNDER Human nutrition
Dietetic foods 65523 74407 74812 83939 40013* 86058*
Dietetics 7929
O,O-Diethyl 3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphate 37249
O,O-Diethyl O-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphorothioate SEE Bayer 21/199
Ō,O-Diethyl-O-3-chloro-4-methyl-umbelliferyl phosphoroate SEE O,O-Diethyl 3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphate
O,O-Diethyl O-3-chloro-4-methyl-umbelliferyl phosphorothioate SEE Bayer 21/199
O,O-Diethyl S-ethylthiomethyl phosphorodithioate SEE Phorate
O,O,-Diethyl-O-(4-methyl-mercapto-3-methylphenyl) thiophosphate SEE Lujet
O,O-Diethyl O-naphthalimido phosphorothioate SEE Bayer 22408
O,O-Diethyl phosphorodithioic acids 28833
Diethyl sulfate SEE Ethyl sulfate
Diethylcarbamazine 36700 11697* 19842* 45588*
1-Diethylcarbamyl-4-methylpiperazine SEE Diethylcarbamazine
Diethylstilbestrol SEE Stilbestrol
3,3'-Diethylthiadicarbocyanine iodide SEE Dithiazanine
Diethyltoluamide SEE Deet
Diffractometry 48190
Diffusion 79921*
Digamasellus 38020
Digestive system
arachnids 55699 64305*
arthropods 12778* 82157*
cats 72295
cattle 3477 11701 62913 80366 27615* 72192* 80162*
diseases 27851 54329* 80405*
dogs 72295 3654* 63071* 72299*
geese 54774
horses 36890 28114*
insects 5024 5156 5364 20616 21143 37981 38113 38324 38332 55721 73755 81519 82388 5129*

*Text of this reference is not in English.

Item

Digestive system--Cont
insects--cont
20984* 21103* 55615* 64218* 81972* 82068* 82069*
livestock 27319 62355 3177*
reviews 45281
poultry 37011 54774 63232 63279 91466
rabbits 80951*
ruminants 62346 71728* 79914*
sheep 4116 12161 37197 63453 81067 20383*
swine 36890 63632 81257 81301 55092*
diseases 4273*
ticks 21079 55652*
Digger pine SEE Pinus sabiniana
Digicitrin 42986*
Digitalis 69095*
Digitalis canariensis SEE Isoplexis canariensis
Digitalis lanata
anatomy and physiology 8906 9188 42845
biochemistry 43010*
breeding 9967*
fungus diseases 24225*
Digitalis purpurea
anatomy and physiology 42845 42653*
biochemistry 34250* 42986* 43010* 62915*
culture 9824
Digitaria 58718
control 1918 17637 17658 17678 17680 17693 17702 17754 17779 25901 43690 52163 52185 52199 52203 52228 52240 52276 52285 52310 52316 52317 60929 78229 89246
Connecticut 52161
Maryland 17787
Massachusetts 60996
New York 78183
Northeastern States 52211
Ohio 70026
Oklahoma 43737
Digitaria decumbens
anatomy and physiology 9128 42585*
culture 88535*
ecology 77349*
feed 11483 54244
fertilizers 10272 51790
nematodes 16196 59217
pests 37688 55474
virus diseases 37629
Digitaria ischaemum 41911 52167 52262 78237
Digitaria sanguinalis 1972 52167 52262 65607 78237
Digitaria valida 11152 11189
Digitariella n g 156
Digitatispora n g 86558*
Digitatispora marina 86558*
Digitonthophagus SEE Onthophagus (Digitonthophagus)
Dihammus 92361
Dihoplotermes n g 5589
Dihydrochalcones 1405
Dihydrochelerythrine 51556
Dihydrohydroxycodeinone 45768*
Dihydroquercetin 83923
Dihydrostreptomycin SEE Streptomycin
Dihydrotachysterol 27668 19822* 54522*

Item

1,8-Dihydroxyanthraquinone 60325
2,3-Dihydroxybenzoic acid SEE o-Pyrocatechuic acid
Dihydroxyisovaleric acid 1406
3,4-Dihydroxyphenylethylamine 1342
Diiodothyronine 72438*
Diisocyanates 93522*
Diisopropyl 1,2,2,2-tetrachloroethyl phosphate 4393
Dikes 26412 35027 52964 52965
2,3-Diketogulonic acid 9314*
Dikonirt 59085* 89382* 89383*
Dikoteks-80 89289*
Dilacinia n g 47130*
Dilar turcicus 92655*
Dilaridae 47250 92655*
Dilatometry 22693 14455* 48972*
Dill SEE Anethum graveolens
Diloponis n g 55750
Dilsea integra 8804*
Dilta 29784*
2,3-Dimercapto 1-propanesulfonic acid 36931*
Dimeric acids 66139*
Dimeromicrus kiesenwetteri 5143*
Dimethoate
cotton pest control 28984 28999
decomposition 66142
effects on sheep 4471
fly control 4472
in milk 4472 46380
in olives 66142
livestock pest control 4508 20629 46380 81482 28885*
plant pest control 20693*
residual effectiveness 46397
Dimethrin 91973*
1,1-Dimethyl acrylic acid ester of 4,6-dinitro-2-sec-butyl phenol SEE Binapacryl
gamma-Dimethyl butyrothetine chloride 80946
Dimethyl 1,2,dibromo 2,2 dichloroethyl phosphate SEE Naled
O,O-Dimethyl 2,2-dichlorovinyl phosphate SEE DDVP
O,O-Dimethyl O-para-(dimethyl-sulfamoyl) phenyl phosphorothioate SEE CL 38023
O,O-Dimethyl-S-alpha-mercapto-N-methylacetamidodithiophosphate SEE Dimethoate
O,O-Dimethyl O-[4-(methylthio)-m-tolyl] phosphorothioate SEE Baytex
1,2-Dimethyl-5-nitroimidazole 80843
N:N-Dimethyl-N-2-phenoxyethyl-N-2'-thenylammonium SEE Thenium p-chlorobenzene sulfonate
Dimethyl phthalate 81433 4460*
Dimethyl sulfate 20645
Dimethyl sulfide 62145*
Dimethyl sulfoxide 47652 62145*
Dimethyl tetrachloroterephthalate 1962 43761 52251
O,O-Dimethyl 2,2,2, trichloro 1-hydroxymethyl phosphonate SEE Dipterex
O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate SEE Ronnel

Item

N-(4-Dimethylamino-3,5-dinitrophenyl)-maleic imide 42040*
4-Dimethylamino-3,5-xylyl methylcarbamate SEE Zectran
p-Dimethylaminoazobenzene 68717
p-Dimethylaminobenzenediazo sodium sulfonate 24248
N-(3-Dimethylaminopropyl)-3 propionyl-phenothiazine SEE Combelen
2,4-Dimethylbenzyl chrysanthemumate SEE Dimethrin
Dimethyldithiocarbamate 1352 9179
Dimethyldithiocarbamic acid esters 67921* 75157*
O,O-Dimethyldithiophosphoryl acetic acid SEE Phosphamidon
O,O-Dimethyldithiophosphoryl-acetic acid N-monomethyl-amide SEE Dimethoate
Dimethylformamide 48215
Dimethyloctadecylammonium chloride 9983
Dimethylol ethyleneurea 6525 13975
Dimethylol urea 22168 30826
Dimethylsulfoxide 90446*
bis(Dimethylthiocarbamoyl) disulfide SEE Thiram
omega-(N,N-Dimethylthiocarbamoylthio) alkanecarboxylic acids 68673
Dimetilan 4450
Dimetridazole SEE 1,2-Dimethyl-5-nitroimidazole
Dimorphism SEE Polymorphism
Dimorphopteris n g 190
Dinarthrum 47258*
Dineutus assimilis 4991
4,6-Dinitro-o-cresol SEE Dinitrocresol
3,5-Dinitro-o-toluamide SEE Zoalene
4,6-Dinitro-2-sec-butylphenol SEE Dinitrobutylphenol
Dinitroalkylphenyl acrylate 58983* 86750*
Dinitroaniline 17638
3,5-Dinitrobenzamide 74895
o-Dinitrobenzene 88173*
3,5-Dinitrobenzoic acid 34250*
Dinitrobutylphenol 17650 17800 17801 17810 17812 35018 89286*
Dinitrobutylphenyl acetate 52315 60992*
Dinitrocresol
effects on plant disease 67771 67874
effects on plants 77510 43401* 51048*
fruit pest control 46562* 46594* 81741*
hazards and safeguards 76649*
toxicity 28634*
weed control 25944* 78213* 89286*
Dinitrononylphenyl butyrate 21780*
Dinitrophenol 2854 51578
2,4-Dinitrophenol 39910 77413 87743 4025* 21186* 60019* 60123* 77672*
Dinitrophenyl compounds 60048*
Dinitrophenyl crotonate SEE Karathane
Dinitrorhodane benzol 58950* 86970*
Dinoc 42601*
Dinocephalus 46815*

Item

Dinoderus ocellaris 29155
Dinoflagellates 69013 59446*
Dinophyceae 86536
Dinoseb SEE Dinitrobutylphenol
Dinothrombium 73548
Dinozabrus n g 82382
Dioctobroma n g 82382
Dioctophyma renale 45758* 63112*
Dioctria linearis 38240
Diogmites 82354*
Dionaea muscipula 67524
Dionysia 69871
Diopsidae 55799
Dioridium n g 21559*
Dioryctria 64091 47130*
Dioryctria mendacella 38517* 81906*
Dioscorea 33450 78262*
Dioscorea composita 77547
Dioscorea fastigiata 25247*
Dioscorea kaoi 32804
Dioscorea sativa SEE Yams
Diosgenin 77763 25247*
Diospyros ebenaster 121 23974
Diospyros ebenum 23974
Diospyros lotus 8193*
Diospyros montana 16922
Dioszegia hungarica 67662
Dioxane 93487
3,4-Dioxyphenylalanine 88181*
Diparopsis castanea 21370
Diparopsis watersi 21370 38226 73228 21383* 38459* 47147* 64618*
Dipcadi 67523
Dipcadi montanum 42254
Dipelicus optatus 37687
Diphacinone 57183
Diphenacin 90797*
Diphenamid 43844 52165 52313 52315
Diphenatrile 52164
Diphenyl SEE Biphenyl
Diphenylacetamide 17639
Diphenylacetonitrile 17638
Diphenylamine 14156
Diphosphopyridine nucleotide SEE Codehydrogenases
Diphylleia grayi 16938*
Diphyllobothriasis SEE Tapeworms
Diphyllobothridae 72976
Diphyllobothrium mansoni 28399*
Diplacus SEE Mimulus
Dipladenia amoena 25761
Diplatys 29792
Diplazium japonicum 33591
Diplectrona 64731 47258*
Diplectrona felix 92657
Diplocystis 92456*
Diplocarpon rosae 432 4715 67868 490*
Diplocephaloides n g 82180
Diplocheila 4977
Diplocladius 12874
Diplococcus 12306*
Diplococcus pneumoniae 27838*
Diplodia 33221 41903 51688* 58780* 58781* 86940*
Diplodia musae 16045
Diplodia natalensis 59769
Diplodia pinea 24233 27055
Diplodia zeae 41797 43141 50859 67950 33212* 59019* 67819* 86962*
Diplodina 8300* 58780* 58781*
Diplodiscus paniculatus 71593
Diplogasteridae 29381
Diplogyniidae 92325
Diploidy SEE Polyploidy
Diploneis 32927*
Diplonevra 82360

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Item

Diplonychus kjellanderi 64507
Diplonychus stali 64507
Diplophlyctis 59342
Diplopoda
anatomy and physiology 38046 46798 55689 92337 12790* 21061* 46803* 55668* 55700* 64289* 82137*
Borneo 29300
Brazil 82194*
Central America 55690
control 4714 29044 37758
Finland 92335
France 55702*
habits and behavior 38046 46798 12790* 82199*
Illinois 82152
Mexico 92324
Minorca 21042
Morocco 64314*
Nevada 55659
nomenclature 38014
North America 29301 38030
nutrition 64289*
Panama 4936
parasites 64317* 82159*
Poland 55705*
rearing and breeding 82199*
Republic of South Africa 38041
Sweden 29279
taxonomy 12774 21039 29301 29305 55679 55689 82152
USSR 55649* 55688*
Diploptera punctata 21470
Diplorrhynchus condylocarpon 25251*
Diploschema rotundicolle 20856*
Diplostephium 8199
Diplostomidae 72976
Diplotaxis eurocoides 33562*
Diplothemium SEE Allagoptera
Diplura SEE Entotrophi
Diplycosia 32852
Dipoenura 55655 64306
Dipogon (Winnemanella) n sgen 55891
Diporotheca rhizophila 8448
Dipriocampe n g 47071*
Diprion hercyniae 21321 73796 12980* 47108*
Diprion pallipes SEE Microdiprion pallipes
Diprion pini 12668* 37817* 37830* 37831* 73368* 73379* 73399*
Diprion polytoma 12980* 47108*
Diprion sertifer SEE Neodiprion sertifer
Diprion similis 5286 12629 21273 64544
Diprionidae
Canada 64063
control 81910
diseases 47108*
eggs 64552
Great Britain 73796
habits and behavior 82436
larvae 64552 12980*
Latvia 64102*
parasites 64544 82408 82436
populations 21337
rearing and breeding 47108*
reviews 64063
Dipropalin 52164
Dipsacomyces n g 242
Dipsocoridae 47045
Diptera
abnormalities 38192 64415 82428*
Afghanistan 88229 29483* 46950*

Item

Diptera--Cont
Africa 21237 55822 73665 82361 82377 82429*
Alaska 46961
anatomy and physiology 55787 55799 64422 64423 82417 92477 5099* 92123*
and disease SEE Flies,and disease
as parasites 64544 81574 5105* 21329* 29448* 46421* 64094*
as pests 20651 28961 28875* 63852* 64442* 92231*
as predators 21171 29431 92470 82363*
Australia 5074 5135 12874 21199 73142 73695 82377
Australian Region 46931*
Bolivia 38191*
Borneo 64444
Brazil 82359
breeding places 5121
California 21196
Canada 4459 29474 46921 46960 64439
Canary Islands 46922
Chile 64432*
collecting and preserving 82386 5105*
Corsica 55791*
equipment 64452*
Great Britain 5146
USSR 64407*
collections 5098 46914 64457 73669 73694 46956*
Colombia 38202*
Congo 73712*
cytology 5102 12860 73658 73659*
Czechoslovakia 92462
dissemination 21226
ecology 82380
California 46923
Czechoslovakia 64466*
Japan 5121 12879*
Latvia 64458*
Mediterranean islands 73710*
Poland 64405*
USSR 12871*
eggs 29455*
Europe 29474
evolution 21226 29420 29426 12881*
Finland 38244*
France 38167* 73711*
food and host plants 92463
genetics 29422* 55774*
geographic distribution 92443 12412* 12899* 21236* 73682*
Gough Island 92437
Great Britain 5138 5162 12907 38231 46934 64228 64426 73703
Greece 21245*
habits and behavior 5152 29466 38231 82387 82423 82447 82448 38228* 46962* 64431* 92123*
Hawaii 5125
Himalayas 5151
identification 92071 5084* 64407*
illustrations 82382
India 21202 21210 55815
Indiana 38248
Italy 38243*
Jamaica 29423
Japan 5149

Item

Diptera--Cont
larvae 5121 21205 38193 64438 12408* 21190* 73660*
anatomy and physiology 12877 82427*
Great Britain 5070 5071 38164 55768 55769
Japan 29453
Mexico 5084*
USSR 92474*
Madeira 46920
Malaya 64419 64443
Mediterranean islands 73710*
Micronesia 38223 38241
Morocco 73686*
Nearctic Region 5148 82358
Neotropical Region 64417 82391 82392
Netherlands 5160*
New Guinea 38156 38157
New Zealand 73723
nomenclature 21164 21231 21249 38190 46957 55788 64434 73689 92478 21246*
North America 5167 21206 29443 29473 82360 82421 92471
North Carolina 82439
nutrition 29478 82383
Oriental Region 46930*
Pacific area 12823 37965
Palearctic Region 12870* 21211* 38198* 46915* 73687*
parasites 5156 12905 29029 47074
phylogeny 5158 38215*
Poland 38177* 64461* 82437*
populations 38248 73710*
predators 5109
pupae 29454 64544 73693* 82476* 82823*
rearing and breeding 29478 46951 29448* 64094*
Republic of South Africa 29417 29485 82432 82433
Rumania 12897* 38160* 64429*
Rwanda-Burundi 38180*
Ryukyu Islands 64460
Southeast Asia 55818
surveys 73664* 73682*
Sweden 38170 92422*
Switzerland 38243*
taxonomy 12866 29409 29410 29435 38164 46914 46955 55768 55769 64433 64434 64457 64464 64544 73657 73665 73694 73695 82382 82404 82411 82421 92432 21234* 29472* 38159* 46931*
types 21196 46964 73669 73694 92449
USSR 12884* 21214* 29468* 37611* 38237* 64459* 73701* 82372* 82410*
United Arab Republic 82448
West Africa 12875
Western Hemisphere 38227
Dipterex
application 55197*
cattle pest control 37541 37610 4540* 20665* 28893* 37593* 81444* 81504*
chemistry 91981*
coffee pest control 29084*
flea control 20658
fly control 28927* 55197* 55253* 55271*

Item

Dipterex--Cont
formulations 45845
grain pest control 63882* 63886* 63941* 81654*
human parasite control 81467
in eggs 63806*
in milk 55256*
insect resistance 46374*
livestock parasite control 36254 45845 54671* 54915* 72185*
livestock pest control 28905 36794* 37607* 63856* 63858* 73173* 92020* 92025*
mite control 92000*
plant pest control 12357* 46424*
poultry pest control 357*
related compounds 62784 54915*
residual effectiveness 46397
situation and outlook 12357*
toxicity 81467 12381* 92047*
Dipterocarpaceae
measurement 10650 26797 53234 53245 61807 71059
Philippines 53245 71059 71062
Dipteronia 16320
Dipteryx odorata 77784
Dipyridyl SEE Bipyridine
Diquat 6636 17689 34950 43697 43772 43796 70079
Directories SEE UNDER specific subjects
Directory of State Departments of Agriculture 58191 94699
Directory of the Wood Products Industry 35968
Dirhicnus alboannulatus 20917*
Dirhicnus conopidarum 38369
Dirofilaria immitis 3663 20013 36811 63874 80548 91259 28005*
Dirofilaria repens 4539
Dirofilaria uniformis 3806 5185
Dirofilariasis SEE Heartworms
Diroptrus 29368*
Dirphya 92346*
Disa uniflora 17471 17512
Discinella 32958
Discocephalinae 5258
Discocistella n g 67650*
Discococcus 12931
Discocyrtus 56047
Discomycetes 32958 87326 32945* 41579* 67646*
Discoptila 47218*
Discosia 8300*
Discosia pini 86898*
Discothorax n g 82246*
Discussion groups 7784 40829 49454 67002 85885
Germany 15220*
New York 32166 32167
New Zealand 32191
Disease-free animals SEE SUBHEAD germ-free UNDER Insects; Laboratory animals; Livestock; Poultry; Swine
Diseases SEE Health; Human diseases; Phytopathology; Veterinary medicine; names of diseases and vectors; and SUBHEAD diseases, and classes of diseases UNDER Insects; Livestock; Plants; and names of animals, insects, and plants

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Item

Diseases of Animals Act (Gt Brit) 3121
Disinfectants 3980 54598 65517 74847 83927 93390 19463* 20281* 26609* 28924* 31314* 32190* 56784* 56807* 65522* 74009* 81644*
effects on bacteria 54418* 62859*
effects on eggs 7119 31426 75659 63312*
effects on plant disease 33363
effects on vaccines 28682*
effects on viruses 91902*
in dairy industry 11627 36639 11665* 30575* 36686* 39271* 56653* 65500* 74718*
in veterinary medicine 27423 36276* 45292* 53922* 71846*
SEE ALSO names of disinfectants
Disodium octaborate SEE Sodium borates
Disophenol 11788 91512
Displaced persons 85699* 94607*
Dissection 11699 19480* 53916*
Dissochaetus 5043*
Dissomphalus 92545
Dissotis 23961*
Distemper SEE Canine distemper; Feline infectious enteritis; Strangles
Distilling 6105 93200 39060* 39126*
Distomatosis SEE Liver flukes
Distylium racemosum 77791*
Disulfides 9269 48504 75257*
DiSyston SEE Bayer 19639
Ditches SEE SUBHEAD canals and ditches UNDER Drainage; Irrigation
Diterpenes 77779 75674*
Dithane SEE Nabam
Dithiazanine 3707* 12122* 19983* 28697*
Dithiazanine iodide 45790
Dithiocarbamates 22149 25145 73288 24290* 61431* 64022*
Dithiophos SEE Sulfotepp
Dithiopropylthiamine 20030*
Ditilin SEE Succinylcholine chloride
Ditylenchus allii 68074*
Ditylenchus destructor 8625 42076 87109 8624* 24473*
Ditylenchus dipsaci 24467 24489 33455 87114 87116 16176* 16191* 59211* 77272* 87111* 87115*
Diuretics 37237 73750 36548* 54512*
Diurnal rhythm 37956
arachnids 82205 4911*
insects 12922 64270 73873 73879 82367 82416 82700 55724* 73822* 82389*
mites 73548
plants 16624 42514* 42515* 42761* 77638*
Diuron 34976 43716 43755 52179 67982 89314
residual effectiveness 89354
residues 47655 74403 75110 89354
1,3-Divernolin 84807
Diversified farming
California 14690
Colombia 23310
France 25268*
Great Britain 23248 23328 32046 57999 76242 57908*
India 31935 85746
Japan 76167*
Latin America 57832
Malagasy Republic 85488*
Netherlands 3990* 40656* 85636* 94444* 94455*
New Zealand 23256 94417
Rhodesia and Nyasaland 85506
Sweden 85536*
Taiwan 40578*
Diversinervus paradisicus 12979*
Divorces among farmers 49479*
Dixidae 38231
Dixippus morosus 21472*
DMA 43716
DMDT SEE Methoxychlor
DNA SEE Nucleic acids
3,5-DNBA SEE 3,5-Dinitrobenzamide
DNBP SEE Dinitrobutylphenol
DNC SEE Dinitrocresol
DNOC SEE Dinitrocresol
Dociostaurus maroccanus 46357
Dock SEE Rumex
Docking 20413
Docodesmiella n g 4936
Docophoroides 64741*
1-Docosanol 87717
Documentation
agriculture 7527 49205 40528* 76401*
agronomy 88287
apiculture 64191*
biology 49872
botany 58503 58584 59424
cacao 93248
conferences and congresses 7998
dairy industry 6177 47897
economics 94117
entomology 4316 58503 46308*
food 47623* 47627* 47628* 47630* 47632* 47634* 47639*
forestry 10518*
green manures 26331*
Hemiptera 21309*
history 8067
human nutrition 49675 47623* 47628* 47630* 47639*
conferences and congresses 47627*
Lepidoptera 64602 38428* 38477*
meat industry 65973*
mills and milling 75358 22520*
sericulture 64209*
soil science 9977 26008 26270
sugar industry 22840*
tobacco 31623*
veterinary medicine 36322* 36354*
SEE ALSO Bibliographies
Dodder SEE Cuscuta
Doddiana 82368
Doddiana mellea 82368
Dodecatol 54558*
Dodecyl guanidine 16086* 67817*
Dodge B O 33013
Dodine 15979 24846 41728 51900 16086* 59070*
Doenitzius n g 82180
Dog foods 6415 48135
Dogs
abnormalities 11764 28032 28059 28064 45760 54518 54565 63025 27975* 36814*
age 3668 28048 63011 27987*
anatomy and physiology 3695* 27980*
and disease 20041 81119 54561*
as laboratory animals 28067
Belgium 27954* 80522*
breeding 3639
breeds 45734
Beagle 45786 80582
Collie 3714
Dachshund 63047 27953*
Dalmatian 19996
German Shepherd 20037 72333 72334 72340* 91203*
Greyhound 80554 80572 80585
Leopard 3637
Poodle 80527
Spaniel 36814*
West Highland White Terrier 3640
Canada 3638 11739
care 3690 3714 11791 36837 54500 91263 91271
cytology 3697 54519 63057 3657* 80567*
deficiency diseases 80580*
digestion 28055* 63007*
diseases 36775 27960* 28023* 36772*
Aruba 45793
causes 36770
Denmark 54527*
diagnosis 36806 80573 3701*
New Zealand 27972 72317 91192
transmission to man 72310 63048*
treatment 20091 45754 45792 91271 19986* 20030* 27996* 28043* 36779* 36912* 45741* 63034* 72300* 91231* 91266*
embryos 63043 54511*
estrus 3690 27961 27992 27993 36803 36806 63004 36817*
feeding and nutrition 11740 11791 19982 27956 36770 54500 91177
deficiencies 36818
fertility 3639 36770 36806
fossil 54575*
Great Britain 27951
habits and behavior 45802 63006 91272 91274 3715* 28020* 80587*
hereditary diseases 3705 72333 80527
history 54575*
housing 28067
immunization 20042
infectious diseases 72291 91193 91200 91219
reviews 91183*
injuries 3644 27982 36805 91227 91255 20027* 20032* 45774*
foreign objects 19992 28033 36830 72324* 72348*
treatment 36804* 54539*
Ireland 80521
kennels 20042 72362
Dogs--Cont
lactation 45772
legal aspects 72364*
marketing 93831
metabolism 45772 63061 3661*
mortality 20042 45787* 91230*
Ohio 20045
parasites 91250
parturition 63006 11777*
pest control 20658 37520 46405 81521
pests 12385 28019 46398 80552 81520 92008 92027
poisoning 11789 19998 36822 46392 63080 72351 80563 3677* 19990* 28057* 45777* 54524* 54534*
Polynesia 80586
pregnancy 36803
racing 80585
records and testing 45734 45760
reflexes 54517* 91267*
regulation and inspection 91270
respiration 72341* 91186* 91267*
shows 91273 91275
smell 91210
sporting 20044* 72364*
studbooks 3638 11739 27951 80521 3642* 19980* 27954* 72289* 80522*
Beagle 27950
Boxer 72287*
English Foxhound 3641
German Shepherd 19981* 80523*
Great Dane 62997*
Greyhound 27952 72288 80520
Harrier 27950
Rottweiler 3636*
St Bernard 62999*
surgery 3648 3663 11766 11786 19989 27998 27999 28014 28018 36781 36801 36813 45760 45762 54543 63009 63026 63045 72297 72318 80544 80547 80548 80583 91178 91179 91208 91237 91249 91268 3683* 11743* 19984* 27960* 27983* 27985* 36804* 45768* 45788* 54562* 63030* 63058* 63059* 72305* 72312* 72322* 72324* 80566* 91220* 91230* 91257*
Sweden 72289*
Switzerland 3642*
temperature 63011
trade 91270
training 3637
transportation 93834 31267*
virus diseases 72314 80553 63087*
vision 11771*
vomiting 28020* 28055* 45745*
war use 63063
working 3714 20043 63088 72363 91192
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, and pests
Dogwood SEE Cornus

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Item

Dokuchaev V V 49789* 90283*
Doletica 82283
Dolichocassida SEE Cassida (Dolichocassida)
Dolichocis 82271
Dolichoderinae 29583 38416 92567
Dolichoderus quadripunctatus 5330*
Dolichomutilla minor minor 92553
Dolichonabis 29519*
Dolichopeza 46917
Dolichopodidae 12907 21196
Dolichopus 82439
Dolichos biflorus 18360 24570*
Dolichos lablab SEE Hyacinth Dolichos
Dolichothrips 5588 5647 56013
Dolichowithius 92317*
Dolichurus 47127
Dolicothele SEE Mammillaria
Doliema 46855*
Doliocarpus 32722
Doliomyces n g 33010
Doliopria 29610*
Doliopygus dubius 21094
Doloisia guangdongensis 38044*
Dolomedes fimbriatus 64278 64312
Dolomite 52525 52793 78571 70892*
Dolycoris baccarum 38328 38329 82555*
Domestic animals SEE Livestock
Domestication SEE UNDER Animals
Domeykoa 67474
Dominion Dairy Conference 21993
Dondren 27308 62902*
Donkeys SEE Asses
Donnan equilibrium 33925 42722*
Doors
wood 2959 36022 53621 71487 2887* 13346*
Doralis SEE Aphis
Doratura 38289* 47052*
Dorcadion 92352*
Dorcadionini 21092*
Dorilaidae 5092*
Dorogov's antiseptic stimulator 79926*
Doronicum 54011*
Dorotheanthus 32738
Dorstenia indica 68332
Dorylaidae SEE Dorilaidae
Dorylus dentifrons 47230*
Doss M A 32536
Dothichiza populea 33288* 41805* 59005* 77127*
Dothiomyces n g 67578*
Dothistroma pini 86863
Douglas fir SEE Pseudotsuga menziesii
Douglas fir beetle SEE Dendroctonus pseudotsugae
Douville M 49786*
Douwes Dekker formula 94052*
Doves SEE Pigeons
Dowco 132 SEE Ruelene
Dowicide B SEE 2,4,5-Trichlorophenol
Downie D G 41188
Downing J Instructions for the Extracting of Calves 11661
Downy mildew
broccoli 67796
cabbage 86783
Chrysanthemum 515
corn 24278 86835
grain 24334
grapes 24305 33322* 50341*
grasses 24334

Item

Downy mildew--Cont
hops 86773
kafir 24278 86835
lettuce 24342 86780
lima beans 77123
onions 454 41748
spinach 8534
strawberries 41763
sugarcane 434 435 24289 50331 77167 67848*
tobacco 472 8411 24214 33229 33230 59189 67790 77102 8464* 33154*
reviews 86908
Dowpon 70073 70105 43695* 61862*
Doyarenko A G 94917*
DPN SEE Codehydrogenases
DPNH SEE Codehydrogenases
Draba 15808*
Draba aprica 166
Drabescus 64499
Dracaena 17519
Dracophyllum secundum 8794*
Dracunculus vulgaris 95
Draeculacephala portola 12444
Dragonflies SEE Odonata
Drainage 2047 2440 2460 2461 17880 18160 18510 26421 26460 26478 26511 26532 26560 26573 44268 44379 44381 52924 52932 53001 53002 53009 53015 53016 61545 61551 61552 78505 78847 78902 18464* 26521* 26535* 26553* 26578* 35456* 70750* 78899* 89845*
Argentina 18158*
associations 18550*
Australia 26410 26484 44455
Austria 44400*
bibliographies 2395
California 2434 2442 10380 18506 26519 52903
Canada 2077 18465 78845
canals and ditches 26562
Arkansas 26453
Australia 26571
construction 18421 52921 53007* 79253* 79257*
equipment 70774 18539* 35512* 52947* 70742* 78809* 78813*
Finland 18416*
Germany 35493* 70048*
East Germany 25885* 70783*
Hawaii 78925
India 26503
Italy 35031*
Japan 26464
linings 26463 78830
maintenance and repair 18539* 61480* 78809* 89840*
Netherlands 1943*
Spain 26438*
Sweden 89907*
USSR 52922* 67563* 78833*
Colorado Basin 26431
conferences and congresses 26417
Congo 10386*
costs 70803* 89886*
Cyprus 44349
Czechoslovakia 26504 61576* 70803* 89850*

Item

Drainage--Cont
Denmark 52981*
equipment 26481 53010 61547 78789 10373* 71364*
China 78841
Czechoslovakia 61576*
Estonia 61523*
Finland 18471* 26831*
Germany
East Germany 26454* 70827*
Japan 26501*
Louisiana 10353
Mexico 61557*
Netherlands 44405* 61516*
New Zealand 89833
Scotland 35453
USSR 10344* 18451* 44444* 52902* 89842*
Estonia 18489* 61539*
Finland 70806 18482*
Florida 18436 18460
France 26393* 70753*
Germany 26399* 26496* 26583* 35488* 35543* 78838*
East Germany 61039*
Ghana 49195*
history 52997* 70764* 70815*
Hungary 44407 70760* 89852*
Iceland 78831*
Illinois 18501
India 26388 26397 26472 35519
Iowa 44147
Iran 18417
Ireland 78791 89841
Israel 26471
Italy 26524 26506* 52994*
Japan 26057 26458 26567 35533* 42680*
Latvia 78888*
Mexico 26488* 61496*
Mississippi Delta 2196
Mozambique 49133*
Near East 44367
Netherlands 26435 26569 26582 10346* 10397* 18483* 35463* 44339* 44403* 44434* 52946* 61485* 61493* 61516* 70722*
Nevada 18422 26499
New Jersey 81585
Pakistan 26387 26392
Philippines 2378
Poland 44482* 89886*
policies and programs 44402 70830 2450* 10419*
Portugal 26476 26411*
Portuguese Guinea 26507
Rumania 26561
Sicily 52991*
Spain 26446 26486*
statistics 35537
Sweden 7723* 35490* 44373* 49400*
Syria 35497
Taiwan 18491
Texas 2425
tile 2456 18429 18465 26581 44374 52923 53008 70776 78790 78807 78864 78893 78914 2377* 35490* 52904* 70755* 70803*
history 61586
Tropics 26197
Tunisia 70839
Turkey 26541*
USSR 26477 10347* 10391* 10422* 10438* 10440* 15153* 17986* 18409* 18461* 18499*

Item

Drainage--Cont
USSR--cont
18500* 18518* 18522* 18535* 26542* 44313* 44329* 44430* 44431* 44459* 52961* 61421* 70587* 70704* 70713* 70715* 70744* 70745* 70837* 78887* 87496* 89838* 89843* 89851* 89858* 89893*
Utah 44334
Yugoslavia 26565*
SEE ALSO Mole drains; and UNDER Forests; Marshes
Drakes 80786* 80891*
Drapetes 82239*
Drapetis 38223
Drassidae 38039*
Drassyllus covensis 82143
Drechslera SEE Helminthosporium
Drechslera dactylidis 77020
Dreisbachia n n 64569
Drepana curvatula 64697
Drepana harpagula 38436*
Drepanepteryx phalaenoides 38572
Drepanidae 29742 5352* 38436*
Drepanidotaeniasis SEE Tapeworms
Drepanocanthus 46884*
Drepanocladus aduncus 211*
Drepanocladus sendtneri 211*
Drepanocyrtus 73509
Drepanopeziza 67638*
Drepanosira 5646*
Drepanosticta 5624
Dresden Leitinstitut der Holzindustrie
Institut für Holztechnologie und Faserbaustoffe 44983*
Dresden Veterinäruntersuchungs- und Tiergesundheitsamt 79757* 79847* 79953* 79954*
Dreyfusia SEE Chermes
Driers SEE SUBHEAD drying, equipment UNDER specific subjects
Drills 5735 74076*
designs and specifications 83071
Germany 64859* 74072*
Great Britain 38675
India 83074
maintenance and repair 56157*
operation 56145* 56151* 56155* 74063* 74070* 74084* 83070* 92774*
parts 5737* 47384* 74069* 92791*
tests 64845* 92783*
USSR 56141* 64825* 64861* 92793*
Drimostoma 38107*
Drinomyia n g 73687*
Dromius angustus 64344*
Dropsy 36665* 55104*
SEE ALSO Ascites
Drosera rotundifolia 15793*
Drosicha stebbingi 37722
Drosophila
anatomy and physiology 5082 5175 21176 21192 21225 21229 29462 38239 55802 82381 92071 29458*
biochemistry 5144
Brazil 29451
California 12902 73692
China 38250*
control 12458 20694 55536 63913 73351
tests 4431 4709
cytology 12902 21232 29450 29459 29477 38235 55804 87297

*Text of this reference is not in English.

Item

Drosophila--Cont
diseases 29436
eggs 55794
genetics 5072 5082 5087 5090 5120 5127 5178 12865 12885 21176 21220 21225 21229 29429 29440 29451 29475 38175 38232 38233 50868 55780 55782 55804 55821 73704 82371 82374 82376 82397 82434 92441 92459 92475 5163* 5164* 12888* 12906* 21186* 21248* 33756* 73683*
habits and behavior 29442 55826 82385
insecticide resistance 4431
Japan 21201 21244 64454* 73674*
larvae 21229 21232 82366
New Guinea 64468
nutrition 21229 82366 82424
parasites 46975 5100* 5169*
populations 21176 29413 29451 38174 81726 82444 5073* 29482* 73674* 73683*
rearing and breeding 21225 29462 38178 73678 82356 82362 82424 5100* 5169*
research
statistical methods 92441
taxonomy 12894 46927 64468
test insect 4432 29171*
Drosophila affinis 5090 5175 21176 92459
Drosophila ananassae 29451
Drosophila athabasca 5175
Drosophila brooksi 12894
Drosophila gaucha 29442
Drosophila immigrans 29482* 73674*
Drosophila immigrans group 55804
Drosophila mayri 64468
Drosophila melanogaster
anatomy and physiology 5085 21165 21169 21218 28813 29420 29441 38163 38165 38173 38252 46929 46932 55808 64441 73680 73699 73709 73713 73715 73717 82365 82418 82445 5122* 5177* 21166* 29432* 38224* 92472*
biochemistry 5095 5061*
control 73351 46558*
cytology 5088 5095 5096 21193 21240 29437 29465 38195 38247 73672 92428 5129* 38213* 63707*
diseases 5088 5137 38197
genetics 5088 5093 5095 5097 5106 5108 5111 5132 5145 5155 12876 12883 21161 21182 21184 21188 21189 21191 21195 21197 21221 21222 21238 21242 21243 28795 28796 29438 29439 29441 29479 38162 38172 38176 38183

Item

Drosophila melanogaster--Cont
genetics--cont
38186 38192 38194 38195 38207 38210 38214 38216 38225 38234 46919 46924 46932 46940 46946 46967 55766 55767 55770 55772 55792 55806 55823—55825 73677 73699 82378 82422 92428 92431 5122* 5165* 12859* 29470* 38224* 64446* 64448* 73679* 73707* 92472*
reviews 82440
habits and behavior 21182
insecticide resistance 28795 28796 28813 38252 81425
larvae 38210 46929 92461 5089* 5129* 46958*
nutrition 29467 38197 46958 64441 81425 92461
populations 5111 29438
pupae 55807
rearing and breeding 21219 29467 46940 55803 82356 92461 5101*
equipment 55812
research
statistical methods 55808
test insect 14070 46365*
Drosophila nigromaculata 21244
Drosophila obscura 5073*
Drosophila (Pholadoris) 12894
Drosophila paulistorum 5087 38178 55783 73678 82362
Drosophila pavani 29442
Drosophila persimilis 12902 29477 73692
Drosophila pseudoobscura 21181 29413 29429 38174 38175 55780 55782 82371
Drosophila robusta 12885 82397
Drosophila seguyi 21212*
Drosophila serrata 29426
Drosophila simulans 5137 82356 5101*
Drosophila subobscura 5078 55821 64456 73704 5073* 5154* 73700*
Drosophila szentivanii 64468
Drosophila victoria group 12894
Drosophila virilis 5085 29436 38158 38235 55826
Drosophila willistoni 5120 12888 38232 46975 12867* 12906*
Drosophilidae
anatomy and physiology 29457* 29458*
Galapagos Islands 5172
hybridization 38178 55783 5101*
Drosophyllum 25100*
Drosophyllum lusitanicum 9139*
Drought 52998 78928 61061*
Australia 3399 14440 35523
Brazil 7341 90914*
California 2401
Canada 78917
effects on animals 36373 62694 80984 54307* 54497*
effects on apples 87624
effects on Bromus tectorum 59961*

Item

Drought--Cont
effects on Carex pachystylis 59961*
effects on corn 9117 51034 60134*
effects on Fagus 44864* 53440* 55587* 71303*
effects on field crops
reviews 87807
effects on forest fires 10834
effects on fruit 42621*
effects on grasses 77069 87906
effects on hops 77528*
effects on insects 5405 82367 46752* 47180*
effects on Jerusalem artichokes 60134* 68763*
effects on Lichenes 59224*
effects on mites 73548
effects on Pinus 18840 25169*
effects on plants 8968 24961 16730*
effects on potatoes 88083
effects on subterranean clover 77667
effects on trees 51437 2737* 2756* 10807* 71165* 71301*
effects on wheat 8917
India 76048
Mexico 90953*
Netherlands 61487* 61489*
Nigeria 72041
Oklahoma 41269
Republic of South Africa 4093
Tunisia 78908*
USSR 18469* 50254* 70186* 70205* 70218* 70227* 70738* 76770* 76772* 76773* 76779*
SEE ALSO SUBHEAD drought resistance UNDER Plants and names of plants
Drought insurance 49048
Drug plants 1988 9954 17861 35071 52346 31641* 43850* 43871*
anatomy and physiology 16707 33587* 42282* 68719*
Asia 1993
Australia 2001
bacterial diseases 75807*
biochemistry 25259 88144 1392* 16887* 51541* 67316*
reviews 60341*
Bulgaria 9971* 89432*
conferences and congresses 9961*
culture 25972*
reviews 35085*
cytology 77367
desert areas 1978 1991 1999
ecology 42118*
feed 63593*
Florida 78262*
fungus diseases 67942* 75807*
Germany 78247* 89418* 89419*
Greece 35075
history 1997
India 9952 25966 59534 77367 89410 61023*
reviews 9939
Italy 25961* 25964* 43849*
Malagasy Republic 89411*
mechanization 38637*
Mexico 24101*
Near East 9968
Netherlands 9961* 9963* 9973*
New Guinea 2001
New Zealand 52340

Item

Drug plants--Cont
North Carolina 52348
Oregon 43878
Pakistan 43880 43881 78260
Pennsylvania 52344 78245
Peru 32639*
pests 63715* 81860*
pollen 59534
Rumania 43853* 70149*
seeds 68719*
Senegal 43854*
situation and outlook 66286*
statistics 47835*
storage 75807* 81860*
study and teaching 76896*
Switzerland 17841*
taxonomy 24018
thinning 83062*
trade 76551*
USSR 89430 35070* 61024* 61031*
Virginia 70157
weed control 70015*
Yugoslavia 70158* 78266*
SEE ALSO names of drug plants
Drugs
effects on insects 29774 82835 4851* 37885* 73536*
in feed 11881 11882 11884 11890 11931 19721 20146 20173 22149 28256 30735 36976 36990 45188 45229 45904 45992 71770 74894 74917 80185 80819 83981 3054* 28284* 37411* 80758*
pests 55545 92211
Drusus annulatus 5611
Drusus trifidus 29790*
Dry basal rot
African oilpalm 67902
Dry farming 2363
Australia 9514
Canada 17178
France 88569* 89750*
India 44225
Israel 44450*
Portugal 18162* 88257*
reviews 61476
Sicily 1488*
Spain 9333* 14958*
Texas 25274
Tunisia 69715*
USSR 1489*
Dry rot
potatoes 67859
wood 19189
Drying of foods SEE SUBHEADS dried; drying UNDER names of commodities
Drying oils 7105 22738 40035 93909 57341* 93923*
reviews 22684
Drymadusa 21457
Drymaria 41378
Drymaria arenarioides 43672*
Drymonia trimacula 5390
Drymus latus 73751
Drymus pilicornis 38356
Dryobalanops aromatica 35750 53442
Dryobalanops oblongifolia 18829
Dryocosmus kuriphilus 29107* 29621* 55908* 92563*
Dryopeia nishiyae 92526*
Dryopteris 191
anatomy and physiology 33683
hybrids 32877
Michigan 41498
Switzerland 58730*
taxonomy 41495 67532 24031*
Dryopteris aemula 77781*

*Text of this reference is not in English.

Item

Dryopteris barbigera 50747
Dryopteris borreri 16512 58730*
Dryopteris celsa 67532
Dryopteris clintoniana 67532
Dryopteris cochleata 50747
Dryopteris erythrosora 8790*
Dryopteris filixmas 9942* 9973* 60054*
Dryopteris setigera SEE Dryopteris uliginosa
Dryopteris splendens 16357
Dryopteris uliginosa 58734
Du Pont 326 SEE Dichloro-phenyl-methoxy-methylurea
Duabanga 52032
Duabanga sonneratioides 50813
Dual purpose cattle 3617 54128 62568* 80078* 90837*
  Germany 27947*
  Hungary 19624* 27597*
  Italy 11713* 90849*
  Republic of South Africa 45422*
Dual purpose sheep 4064* 12060* 28536* 63388* 80964*
Dubbing 46072 72702 91482
Dublin Veterinary Dept 3106
Duboisius n g 46810
Ducetia 21469
Duck eggs
  hatchability 91353 91366 54859* 91585*
  judging 75651*
  processing 84876*
  proteins 75668*
  regulation and inspection 7172*
  shells 54697*
  weight and measurement 54690*
Duck meat 72743 37080* 45998 84641* 93969*
Ducks 12030* 54844* 91588*
  age 54801*
  anatomy and physiology 3944* 46016*
  as laboratory animals 46043
  breeding 91508 28175* 45872*
    equipment 64814*
    hybridization 28178* 45871* 72641* 80704*
  breeds 91508 3827*
    Aylesbury 91479
    Cayuga 54697*
    Eider 4002
    Khaki Campbell 20139 91376 54690* 54691* 54696*
    Muscovy 72743 28166* 28178* 45871* 80704*
    Pekin 3949 72675 91353 28178* 45871* 80704*
  broodiness 63358*
  care 20304 64814* 72673*
  Ceylon 80904
  costs and returns 85663*
  degenerative diseases 91479
  diseases 81595 11930* 63287* 72692* 80842*
    prevention 54768* 72673*
  egg production 54691* 54733* 63358*
    effects of breeding 20139 91376
    effects of feeding 91426*
  embryos 20223 46002* 63311* 72598* 72641* 80704*
    anatomy and physiology 20226 11950* 11951* 72651*
    diseases 37069 91506 72637*

Item

Ducks--Cont
  feeding and nutrition 28230* 80885*
    deficiencies 80782
    equipment 29890*
    Germany
      East Germany 45931* 54701*
    Rumania 91463*
    USSR 20175* 54724*
  fertility 91353 91366 54696*
  flockbooks 28175*
  genetics 45880 3830* 46016*
  Great Britain 22750
  growth 72743 91508 28166*
  hatching 20226 54859*
  housing 30080*
  Iceland 4002
  industry 22750
  Ireland 28369
  meat production 3987 72743 3977* 45998* 54701*
  metabolism 3888
  mortality 45992
  parasites 28298 46048*
  pests 28298 12426*
  poisoning 28236 28329 45992 45993* 80863*
  reflexes 80786*
  sexing 91581
  statistics 93943
  temperature 11972
  weight and measurement 91508
  SEE ALSO Drakes; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Dudresnaya crassa 50117
Duducoris n g 64510
Dufay C Faune terrestre et d'eau douce des Pyrénées-Orientales 6 Lépidoptères 82672*
Dufrane A D A 23798* 41196*
Dulichium 58681
Duluth (Minn) Board of Trade 48513
Dummerstorf Institut für Tierzuchtforschung 91929*
Dumont d'Urville J S C 15526
Dumortiera hirsuta 68386*
Dumping (economic) 41013 49589
Dunaliella salina 68866* 68878 88206*
Dunaliella viridis 68878*
Dundocoris 21288 47005
Dundonannus 12941
Dunes SEE Sand dunes
Dung-beetles SEE Scarabaeidae
Dunger's method 63021*
Dunin M S 23784*
Duodenal fistula 91687*
Duodenum 20412 91494 62748* 72226*
Duosporium n g 15870
Duplachionaspis albicans 82573
Durandiella pseudotsugae 32962
Durham School of Agriculture Houghall Farm 56293
Durian 24630* 78053*
Durra 10303 43153 69495* 88462* 88586*
Durum Wheat Institute 6803 48534
Dusmetia 92565*
Dusmetia sangwani 12460
Dusona 5295*
Dust (earth) 35912 35940 61614 80907 64204*

Item

Dust explosions 13894 31162 39051 84452 22836* 22887* 56460* 74859* 84508*
Dusts and dusting
  application 28909 28920 13299* 56230*
  deposits 55428
  equipment 23767 46333
    Australia 38747
    Austria 67753*
    Germany 56227* 56228* 56230* 74181* 83170*
      East Germany 56221* 56233*
    Japan 64926*
    Mozambique 47468*
    Rumania 92912*
    Tropics 83167*
    USSR 83178*
  statistics 86710
  technique 56230*
  tests 12434
  SEE ALSO Fungicides; Herbicides; Insecticides; Sprays and spraying; names of dusts; SUBHEADS UNDER Aircraft; and SUBHEAD spraying and dusting UNDER specific subjects
Dutch clover SEE White clover
Dutch elm disease SEE Die-back, Ulmus
Duvaliomimus 82227
Duvalius breiti 38063*
Dwarf disease
  Morus 60257 33416*
  sugarcane 16108
Dwarf plants SEE SUBHEAD dwarf UNDER Plants and names of plants
Dwarf ragweed SEE Ambrosia pumila
Dwarfism
  cattle 3303 11408 11419 19630 19637 36420 45595 62632 80354 90862
Dwarfmistletoe SEE Arceuthobium
Dyakryptus n g 29300
Dybar SEE Fenuron
Dye plants 1976 61027 70128 78259 75794*
Dyenmonus (Angoladyenmonus) n sgen 92346*
Dyenmonus (Confusodyenmonus) n sgen 92346*
Dyenmonus (Maculodyenmonus) n sgen 92346*
Dyes 30577 50964 57154 91489 38475* 53669*
Dykstra R R 86158
Dylox SEE Dipterex
Dynafac SEE Tetra alkylammonium stearate
Dynamometers 17869* 47349* 92720*
Dynastinae 82268 38103*
Dysaphis plantaginea SEE Anuraphis rosea
Dyschirius 73622 73595*
Dyschondroplasia 45696*
Dyscinetus planatus 28951*
Dyscritulus 92557*
Dysdercus 73738 15985*
Dysdercus cingulatus 37681
Dysdercus intermedius 82898
Dysdercus koenigii 12942 29563 47038
Dysdercus mendesi 38322*
Dysentery 19985 90755*
  SEE ALSO Lamb dysentery; Scours; Swine dysentery; Vibrionic dysentery
Dysgerminoma 81287*
Dysgonia algira 5471

Item

Dysmachus 92465*
Dysmicoccus 21275
Dyssodia 50712
Dysstroma 38490*
Dystocia 19532
  cattle 3546 11579* 19866* 27834* 45572*
  dogs 45778
Dytiscidae
  anatomy and physiology 92373
  Germany 92405*
  Great Britain 12799 12840
  habits and behavior 82319
  Italy 21109*
  Japan 29398
  larvae 82332 82345
  parasites 38073*
  Plummers Island 55757
  Portugal 82290*
  South America 21114*
  Southeast Asia 55717
  Spain 82290*
  taxonomy 38140* 46888*
Dytiscus cinereus 21122
Dytiscus lapponicus 64512*
Dytiscus marginalis 5004 82319 55754*
Dziedzickia 82392
Dzierzon J 37874* 41173*

E-39 24750*
E-605 SEE Parathion
E-1059 SEE Demeton
Eacles imperialis magnifica 37711*
Eames A J 825
Eana 21417
Ear mange 28923 45811*
Ear tick SEE Otobius megnini
Earcockle
  wheat 50414
Earias cupreoviridis 38445*
Earias fabia 12513 38445*
Earias insulana 12513 20696
Earinus 73791*
Early blight
  potatoes 8465 24318 41994 50306
Ears
  cats 3664 20039 54520 72330 45776*
  cattle 3496* 80222*
  dogs 20039 45759 72329 91249
    diseases 3664 20001 28011 28040 28044 28050 45755 54520 72329 72330 72343 80544 80575 91182 3666* 45738* 45776* 45784*
    trimming 3674 3683*
  rats 28143
  sheep 4164
Earthworms 2133 10096 26126 35183 35207 78412 26094* 26130* 38048* 78436*
  France 26109*
  Germany 78425*
  Great Britain 78429
  parasites 55697
  poisoning 20600 81377
  reviews 10060
  Spain 26096* 52601*
East African Agriculture and Forestry Research Organization 41226
East African Industrial Research Organization 74586

*Text of this reference is not in English.

Item

East African Institute of Malaria and Vector-Borne Diseases 73144
East African Trypanosomiasis Research Organization 20632
East African Virus Research Institute 37533 63818
East Coast fever SEE Theileriasis
East India Cotton Association 84026
East Indians in Fiji 94621
East Malling Research Station 69686
Easter lily SEE Lilium longiflorum
Eastern Caribbean Farm Institute 76391
Eastern cottonwood SEE Populus deltoides
Eastern hemlock SEE Tsuga canadensis
Eastern redcedar SEE Juniperus virginiana
Eastern Shore Poultry Growers' Exchange 75624
Eastern spruce gall aphid SEE Chermes abietis
Eastern subterranean termite SEE Reticulitermes flavipes
Eastern white pine SEE Pinus strobus
Eastern Wood Pole Conference 71474
Ebaeides 92347*
Ebbesen E 67191*
Eberswalde Institut für Forstwissenschaften 61674* 90015*
Eburia 5052*
Eburiini 5052*
Ecacanthothrips 21476
Ecbatania n g 47130
Eccilia 41542
Eccremocactus 67458
Ecdysone 37918 38166*
Echeveria ciliata 24004
Echeveria gibbiflora metallica 16336*
Echeveria glauca 8741*
Echeveria lutea 32825
Echeveria scaphophylla SEE Echeveria scaphylla
Echeveria scaphylla 59098*
Echidnophaga gallinacea 28909 5605*
Echinia n g 5135
Echiniidae n fam 5135 46957
Echiniscus molluscorum 73558
Echinocacteae 32762 32763
Echinocactus texensis 32725
Echinochasmus perfoliatus 20532 37406* 81300*
Echinochloa 52233
Echinochloa crusgalli 16566 52193 52208 78195 88000*
Echinochloa crusgalli frumentacea 8494 44287
Echinochloa frumentacea SEE Echinochloa crusgalli frumentacea
Echinococcosis SEE Hydatidosis
Echinococcus 19490 53832* 93852* 93855* 93856*
Echinococcus granulosus 54572 3687* 28021* 54308*
Echinococcus multilocularis 80369*
Echinocystis 68607
Echinodontium tinctorium 25043
Echinolaelaps 82145*
Echinolaelaps echidninus 55281
Echinomycin 31*
Echinoparyphium bagulai 28289
Echinostelium 237
Echinuria infestation SEE Stomach worms
Echium 41339
Echium plantagineum 81112
Eciton 21091*
Eciton burchelli 46955
Eck G van 41206*
Ecklonia radiata 16733
Eclampsia 3673 36604*
Eclipta 87325
Ecnomatelura n g 29816
Ecnomus 64731 47258*
Ecobol 80455*
Ecological Society of America 33485
Ecologists 33470 33485
Ecology
  dictionaries 50590
  statistical methods
    bibliographies 692
  SEE ALSO Climate and weather; Environment; Flora; Human ecology; Vegetation; and UNDER specific subjects
Econometrics 40031 49003* 94359*
Economic Almanac 31664
Economic and Financial Survey of Australia 74388
Economic conditions 6099 7733 14662 14685 22268 22966 22977 23172 31664 31689 31691 31692 31779 47715 57621 57626 58092 58109 66506 75825 85158 85814 14875* 23396* 31669* 40245* 48991* 49112* 85153* 85155* 94144*
  Afghanistan 22974*
  Africa 65104
  Alabama 40266
  Argentina 7349* 94118* 94120*
  Arkansas 49424
  Asia 85691 85692 85697
  Austria 22967*
  Belgium 31655* 85142* 94119* 94150*
  California 7361
  Cambodia 66320*
  Canada 22960 65144 85145
  China 94131
  Czechoslovakia 14665*
  developing areas 40278* 85159*
  Europe 66333* 75839*
  European Economic Community 66345
  Finland 40247
  France 7348* 22967* 57639* 66330* 85151*
  Germany 14678* 40274* 40277* 75815* 75852* 75915* 85143*
    East Germany 57637* 66934* 75824*
  Guatemala 75814*
  India 7354 31667 40272 40276 57623 57953
  Indonesia 14671
  Italy 31663* 40250* 57634* 66307* 85794* 94154*
  Jamaica 94135
  Japan 22970
  Kansas 40268
  Lithuania 40239
  Louisiana 57912
  Mexico 7350*
  Mississippi 85140 85255
  mountain areas 14669* 22967* 57642* 66328* 85794*
  Nepal 22969 75837*
  North Carolina 57717
Economic conditions--Cont
  Norway 31653* 31675* 49002*
  Ohio 66500
  Oklahoma 22958
  Pakistan 94130
  Paraguay 85166*
  Portugal 49419*
  Scandinavia 7367*
  Sicily 22954*
  South Carolina 14687
  Southeastern States 40262
  Spain 14688*
  Sweden 7364
  Switzerland 57625
  Syria 85170*
  Texas 49001
  USSR 57798 66308* 66319*
  USSR bloc 57798 66319*
  Venezuela 94278*
  Vermont 94142
  Vietnam 49011*
Economic cycles 2880 74453 75832 93839 40270*
  Hungary 93083*
  Italy 7362* 7406* 48992*
  Rumania 41218*
  Spain 14688*
  USSR 66370*
Economic plants 15641 16447 86412 30154*
  Argentina 16*
  Central African Republic 86376*
  China 41298
  Greece 32645*
  Germany 51588*
  history 15672* 32645* 86339*
  Hungary 15691* 63715*
  India 76836 78259
  Iraq 15672*
  Nigeria 17850
  North America 41285*
  pests 63715*
  Southern States 23876
  study and teaching 57
  Tunisia 42516
  USSR 58565 8128* 68108* 87910* 89019*
  West Africa 41237*
  SEE ALSO names of plants
Economic poisons 23767 41632 49751 77043 86111 58871* 86133
  advertising 21843 41104
  analysis and composition 7972 23731 33175 49750 63727 67173 76673
  application 21862 83169 83177 33085* 58861* 86623*
    equipment 47374 47474 47483 47484 64932 56218*
  associations 41082 41083 41122
  Australia 326
  Austria 67753*
  British Commonwealth 91959 91960
  Bulgaria 336*
  conferences and congresses 67664
  consumption 94860 77066*
  Denmark 320* 7984*
  deposits 5799 13300
  directories 73078
  effects on plants 1572 42597* 59805*
  effects on soils
    reviews 18059
  formulations 7974 7981 50165 86110 94840 41712*
  France 67176*
Economic poisons--Cont
  Germany 58861* 61973* 86612*
  Great Britain 15494
  Hawaii 25906
  hazards and safeguards 15518 23730 23766 32501 32517 55560 58373 76665 81777 83478 7980* 7994* 15486* 23723* 49758* 67668* 67705* 77034* 94835* 94866*
  in soils
    bibliographies 2088
  industry 15498 33039 74190 77029
  Israel 81449
  Italy 77066*
  Japan 33086*
  labeling 33039 41133 49753
  legislation 15487 41133 55191 58375
    Denmark 320* 7984*
    Netherlands 7982*
    Sweden 86122*
  New Jersey 7993
  properties 15503*
  regulation and inspection 8371 13501 15487 15518 41127 56429
    Arizona 58355
    Australia 15522
    Austria 67705*
    Czechoslovakia 94836*
    France 58359*
    Great Britain 23730
    Hungary 67165*
    Kentucky 76662
    Maine 7204
    North Dakota 76673
    New Mexico 86121
    Sweden 14212*
    Venezuela 49753*
    Virginia 32515
  research
    statistical methods 325
  residual effectiveness 67686*
  residues 5941 5990 6001 6002 6294 6296 13501 14070 15873 20822 21789 21793 21841 21843 21847 21849 22393 22398 30127 30138 30219 30229 30250 38990 39703 47483 47726 56429 65066 65068 65071 65088 65097 65163 65425 67713 74401 74484 74490 74909 74929 74934 77040 77041 83488 83639 93048 93101 93367 5999* 6948* 13438* 13498* 39710* 41675* 48397* 48409* 65147* 72250* 93085* 93087* 93091* 93094* 93095* 94835*
    bibliographies 93359
  situation and outlook 15495 41140 76659 94869
  study and teaching 7983 7990 7991
  Tanganyika 86137
  tests 94861*
  tolerances 6002 47726 67169 74484 83850 14212* 47737* 48397* 65147* 93093* 94836*
  toxicity 311* 58385* 86651*
    bees 29169 37839 73421 73422 81947 81948 81999 37892* 55613* 64166* 64167* 64173*

*Text of this reference is not in English.

Item

Economic poisons--Cont
toxicity--cont
beneficial arthropods 12563
beneficial insects 91995*
bibliographies 67174
conferences and congresses 94841*
livestock 11215 45324 19492* 36296* 53823* 54040* 72250* 90687*
man and animals 7975 24148 7994* 15486*
wildlife 8365 15496 23725 41651 32493* 41131* 94866*
Tropics 8407
USSR 8328* 8379* 8383* 24141* 33134* 74190* 76671*
Venezuela 49753*
SEE ALSO Acaricides; Bactericides; Fungicides; Herbicides; Insecticides; Larvicides; Nematocides; Rodenticides; Virucides
Economics 7346 14659 14668 229 8 30202 31651 31973 32151 32171 32212 32223 40254 48998 49012 58056 85149 57641* 75840* 85356* 94129*
as an occupation 14679 57629
associations 7346 23275* 57673* 66350* 66359*
Australia 94305
bibliographies 14675 22971 31685 40238 40252 40258 94151
conferences and congresses 31652 75811 75843 85174 85180 94133 94134 40256* 75821* 94147*
Europe 66342* 66364*
Germany 14683*
history 66342* 66371* 85179*
Italy 75812*
Liberia 15396*
linear programming 7585 57955 57978 94157
Netherlands 32142* 85154*
Poland 94139* 94145* 94147*
Rumania 76028*
statistical methods 5950 6785 6928 7359 13462 13463 13465 13473 13553 14362 14666 14667 14684 22973 23149 30333 31380 31668 31671 31688 31936 40246 40251 57275 66647 66869 67288 75813 75822 75847 76162 93751 94361 94396 94503 94602 14975* 23174* 40545* 40662* 49003* 57627* 57857* 66570* 66701* 76181* 85586* 85609* 94284* 94330*
study and teaching 31661 31672 31674 66347 75818 75846 85160 85161 85152*
Germany
East Germany 75828*
India 31676
Poland 14670* 14672* 94145*
USSR 14681* 85147*
Yugoslavia 79065*
terminology 94122 94138*

Item

Economics--Cont
USSR 31806 40269 94146 7363* 48994* 66371* 75845*
Virginia 49884
Economists 75818
directories 22972
Economy 7353 14677 40248 49007 57630 94126 31666* 31891* 85171*
Africa 85167
Angola 75849
Argentina 84990
Arkansas 14686
Australia 66356
Austria 75827*
Belgium 75816*
Bolivia 40259 31658*
Brazil 7341 7340* 7356* 31680* 31682* 85150* 85168* 94143*
British Cameroons 7336
Bulgaria 40265 89975*
Burma 94116
Canada 22961 66305
Central America 40772
China 75844
Cocos Islands 40240
conferences and congresses 40284* 66372*
Congo 14673*
Cyprus 14663
Czechoslovakia 14680*
Denmark 66335 14676* 75830*
developing areas 7359 31673 76536 85141 94141 48990* 75816*
Ethiopia 66351*
Europe 29854* 48990* 49005* 75821* 75838* 94149*
Far East 31659 94155
France 22963* 85146*
Georgia 94121
Germany 31694 14682* 40241* 75816* 83432*
East Germany 40284*
Ghana 48995 85139 40261*
Great Britain 40242
reviews 85162
history 64761*
Alabama 48260
China 40249*
Hungary 66325*
USSR 66324* 85175*
Honduras 40279
Hungary 7480*
India 10423 31690 40253 75826 75834 75841 85705 94132
Israel 31654 94128*
Italy 7345 7357 31678 7334* 31784* 40282* 85173*
Japan 40243
Korea 40273
Latin America 40281 57832 66344 14660*
Lebanon 40280
Luxembourg 85163*
Mexico 7355 48999*
Middle Western States 31670 31686
Minnesota 57638
mountain areas
Austria 22976*
France 66309*-66311* 66313* 66316* 66322* 66332* 66340* 66346* 66348* 66352* 66353* 66357* 66362* 66365*
Italy 31684* 40257* 49006* 75833*
Near East
reviews 48989*
Netherlands 22968* 48997* 75816* 85171*

Item

Economy--Cont
Pakistan 22962 85681 94125
Paraguay 85166*
Peru 94140*
Philippines 40877 85686
policies and programs 6871 6873 14927 57631 75820 75851 85144 85156 85157 85164 66372* 85172*
Afghanistan 40244*
Africa 66334
Asia 7343 66329*
Australia 22956
Austria 22976*
Bolivia 22957*
Canada 40275 66596
developing areas 7360 75831 94166 49204*
Europe 75821*
European Economic Community 7344*
Germany
East Germany 75853 66326* 66337*-66339* 66341* 66343* 66354* 66355* 66361* 66363* 66367* 66369* 66661* 66734*
Guiana 7352*
India 7337* 48988*
Italy 94137 31677* 31684* 31696* 40255* 49004*
Mexico 61582*
Middle Western States 7366
mountain areas
Corsica 66321*
France 66306* 66313* 66314* 66315* 66317* 66318* 66322* 66327* 66331* 66336* 66349* 66352* 66358* 66360* 66362* 66366* 66368*
Pakistan 94127
Rumania 75836*
USSR 31817* 85176* 85181*-85183*
Portugal 94152*
Republic of South Africa 85177
Senegal 75848
situation and outlook 31657 31662 57628
Spain 40267*
Taiwan 85731
Thailand 85148 7365*
Tunisia 22964*
USSR 57636 75817 7335* 7358* 31695* 40263* 49000* 57644* 66323* 85360*
USSR bloc 94148 31660*
United Arab Republic 22955
Upper Volta 49010
Utah 75819
Wyoming 84585
Ecpantheria deflorata 82039*
ECPO SEE Enteric cytopathogenic porcine orphan virus
Ectatosia 82225*
Ectemnonotum 82534*
Ectobius 55993*
Ectobius erythronotus 55993*
Ectocarpales 58757*
Ectocarpus fasciculatus 58760
Ectochaete endophytum 15839*
Ectopodesmus n g 82152
Ectopodesmus remingtoni 82152
Ectoral SEE Ronnel
Ectrepesthoneura 46959
Ectropis bistorta 64629
Ectropis crepuscularia 46661 64104
Ectropothecium 8268
Ecyroschema 92348*

Item

Eczema 62773 28001* 54522* 91261*
Edaphus 82283
Edathamil calcium disodium 45777*
EDB SEE Ethylene dibromide
Edel K 8032*
Edel'shtein V I 15566*
Edema
cattle 19936 72237 19870* 36548* 45556* 72136* 80464* 91091*
poultry 3907 3942 3963 22694 54762 75528
swine 55144 28639* 45556* 46269* 73021* 81314*
turkeys 37083
SEE ALSO Gut edema; Malignant edema; Toxic fat disease
Eder's method 63021*
Edgeworthia papyrifera SEE Edgeworthia tomentosa
Edgeworthia tomentosa 39522 9092*
Edinburgh Royal Botanic Gardens 41281
Edinburgh School of Agriculture 66913
EDTA SEE Ethylenediamine tetraacetic acid
Education 49072 49500 57621 58196 66883
adult 7807 15183* 89505*
Africa 94703
Appalachians 94663
Austria 40862*
Brazil 85865* 85877*
China 7787
conferences and congresses 7745
Denmark 23497*
developing areas 75831 94639
France 58146* 94679*
foreign students in U S 94640
Germany 15183* 15215* 15274* 23477* 58195* 76422* 89505* 94660*
East Germany 85874*
higher 7769 23838 32231 40802 49486 94703
history 76833
India 85514
Italy 23458
Latin America 76410
materials and methods 32174 23510* 58146* 58156*
New Zealand 23838
Papua and New Guinea 15234
Philippines 23514
policies and programs 7760 7800 23844 58168 15215*
statistics 94697
Uganda 85833
Virginia 40802
SEE ALSO Agricultural education; Apprenticeship; Audio-visual aids; Consumer education; Correspondence courses; Extension work; Films; Motion pictures; Schools; Teachers; Visual aids; and SUBHEADS advisory services; education and training; study and teaching UNDER specific subjects
Edwardsiana rosae 73309
Edwardsina 29410
Eegrive reaction 21972*

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Item

Eesti Pollumajanduse Akadeemia SEE Estonskaya Sel'skokhozyaistvennaya Akademiya
Efferia albibarbis 82404
Efferia barbata 82404
Efficiency 23318 23408 66184 76135 94624 7448* 14791*
Canada 66667
Denmark 76148*
Germany 73966*
Great Britain 94432
Ireland 76199
Israel 14955
Poland 14975*
time and motion studies 23096 65765 75939 85286 7423* 10540* 10907* 19123* 53358* 62044* 94215*
Czechoslovakia 71355*
Denmark 10540*
Finland 71372*
Germany 49109* 57749*
East Germany 49087* 57755* 85307*
Great Britain 39722 66477 85277
Japan 53308*
Netherlands 23079*
Norway 35936* 57757* 57773* 75913*
Sweden 10915* 90307*
USSR 5664* 53340*
Yugoslavia 71545*
Efiran 55444*
Efiran-59 29003*
Efiran-79 46470*
Efiran-94 29003*
Efiran-103 46470*
Efosin 90697*
EFTA SEE European Free Trade Association
Egeria 32847
Egesina 46817*
Eggplant
anatomy and physiology 87375 9031* 16859* 68954* 87249*
biochemistry 25234* 77777*
breeding 1871 68503*
culture 69916 52127* 69914* 69926*
discoloration 65711
disease resistance 1871
enzymes 22337 65711
genetics 68503*
harvesting 78143
hybrids 25813* 69922*
pest control 92100*
pest resistance 37674
pests 37644 37675 73234*
planting 52077 69914*
processing 75193*
propagation 25813* 77777*
seeds 68503*
varieties 60908 60890* 69922*
yields 52077 92100*
Eggs
abnormalities 72721
advertising 14519 31481 66157 66183 84887
analysis and composition 22583 48856 72512 80741 80747 80750 80927 83770 91431 91436 31459* 31483* 75668* 75670* 93951*
anatomy and physiology 37012 45952 72508 75647 37140*
and disease 84877*
bacteria 31426 48841 57408 75627 75656 93962
blood spots 11863 57429 72698
canned 40107*
care and handling 7127 12021 14536 48838 57440 75649 75662 75720 85320 93950
chemistry 22753 22777 91601*
cleaning 7119 22771 31426 66148 75620 75627 75659 84903 31474*
collecting 29882 31783 74004 92733 94219*
color 7138 28191 57409 91412 91424 48547*
conferences and congresses 66181
consumer preferences 22743 22759 48853 66173 75646
consumption 74438 84905 14524* 31442* 65109*
containers 14540 22743 40110 66171 75619 7163*
contamination 4587 4588 7125 14557 31440 57276 93962 7162* 63806*
cooling 56199
cooperatives 5980 31430 31461 31473 40113
Georgia 57435
Germany 7143*
Great Britain 84872
Netherlands 57432*
North Carolina 75664
Sweden 22772*
Wisconsin 22766
costs and returns 15054 49338 49347 66747 75631 76135
California 85628
Czechoslovakia 66631*
Florida 66754
France 58029*
Great Britain 23351 58039 66665 66769 85668
Hungary 7661* 66750*
Indiana 23369
New Jersey 93947 94526
New York 7670
Northern Ireland 85607
Scotland 15091 76252
Thailand 66752
credit 57670 75877 84884
defects 11889 28195 45913 45928 63265 84899*
dried 7160
feed 46010 80881
flavor and odor 7160 22759 74479
for hatching 3941 14516 20120 28283 32039 37114 45997 72612 72635 72663 80866 20282* 45996* 46064* 57403* 63214* 63309* 63312* 72727* 91520* 91601*
freeze-dried 22759
frozen 48862 84906 84863* 84870* 84871*
futures 48862
grading and standardization 7129 7152 14515 14555 31430 48850 48853 66173 75635 75671
Louisiana 75646
New York 40110
hatchability 3951 11868 12040 20120 28360 54688 55305 72547 72577 72712 91378 91385 91406 91460 46064* 54854* 63215* 63312* 63360* 72482* 72555* 72561* 72742*
hydrogen-ion concentration 7175*
in semen dilution 71933*
industry 48854 57405
Australia 40083 93991
Georgia 31447
Germany 7177*
Illinois 7155 22774
Indiana 75661
Michigan 48858
Mississippi 75877 84884
Netherlands 40122*
New Jersey 93947
Poland 93988*
Republic of South Africa 57431
Scotland 84905
USSR 6876*
vertical integration 7135 22757 31470 75877 84884 93975 93985
water supply 75627
Wisconsin 14535
irradiation 75656 40112* 57411* 84909*
judging 74479 75651*
keeping quality 66171 80713 84903
labeling 75658*
labor 31783 85320
liquid 40107 48844
marketing 14529 14536 22743 22758 22769 31438 31444 31460 48840 57433 57440 66183 75663 84904 91582
Australia 48864 93964
California 40102
conferences and congresses 22756
costs 49338 75615 93970 7143*
directories 21824
Europe 75667*
Germany 7143*
Illinois 22756 40111
Italy 84899*
Louisiana 31469 57434
Middle Western States 57427
Netherlands 40122*
New Jersey 93978 93979
New York 7670 40110 93996
New Zealand 57428
Pacific Coast States 31463
Rhodesia and Nyasaland 31485
Southern States 14541 31446 48832
statistics 83821* 83822*
Sweden 47682*
Virginia 75617
meat spots 11863
microorganisms 84909*
nutritive value 86066 23691* 31459* 76631* 86067* 94826*
oiling 14517 14549 14550 22753 40091 45913 75630 80713 93950
packing 7146 14515 48836 57433 66154 66171 93970 7163*
policies and programs 7154
prices 14533 14554 39018 40100 75631 75654
Denmark 91563*
Europe 39018 66160*
Florida 66754
Georgia 75655
Louisiana 57417 84901
Massachusetts 75650
New Jersey 93977
New York 14553 75655
processing 22759 48844 66184 75644 75661 84906 93945
cooperatives 31471
production regions 40090 57405 75616
products 7118 7167
analysis and composition 93990 66179*
bacteria 40118 7141* 7144* 66155* 66179* 84865* 84866* 84877*
contamination 93990
grading and standardization 7152
irradiation 57411*
processing 48834*
quality 75649 93981
regulation and inspection 7152 7141*
sterilization 14561*
tests 84866*
proteins 22583 75672 75668*
quality 3822 3993 7160 12033 20136 20295 22743 22771 46068 48832 48838 48850 62652 63365 75630 75638 75640 75669 91460 93945 46000*
Australia 66170
Belgium 63354*
Canada 75662
Northern Ireland 7148
Pennsylvania 57404
Rhodesia and Nyasaland 31485
refrigeration 93948*
regulation and inspection 7152 75671
Germany 93968*
Sweden 13814*
USSR 7162* 7172*
research
statistical methods 75669 93966
sanitation 7119 45997 57440 72663 74005 83010 7163* 80898*
shells 11890 11964 22771 28366 45952 48839 72524 72539 72722 75647 91412 91421 3864* 37140* 57436* 75651* 80898* 84870* 84871*
bacteria 7119
color 20282*
quality 3858 11895 12027 45914
reviews 7171
shows 66172
situation and outlook 14514 14528 14530 22769 31449 31484 40121 57445
California 48848
Europe 75667*
Germany 66158* 93957*

*Text of this reference is not in English.

Item

Eggs--Cont
situation and outlook--cont
Great Britain 58039
Middle Western States 57427
Texas 31424
Venezuela 14524*
size 12020 72721 63214* 72727*
spoilage 48841 75659
statistics 4012 48847 57444
Canada 7120 84869
Germany 31429* 83821* 83822*
New Zealand 48833
sterilization 48844 57408
storage 7131 7138 7149 11889 22753 45913 48856 57437 75630 80713 91424 93976
Netherlands 40086*
temperature 46068 75649
surpluses 75663
tests 7125 7131 57429 134[illegible]6*
trade 41036 41038 49599
Germany 75658*
Italy 84899*
Sweden 47682*
transportation 7163* 66146*
vitamins 36995 93951*
weight and measurement 3829 3993 11869 20120 45894 48840 72465 72492 72741 75638 84901 91578 3867* 46000*
whites 3877 3993 54741 48720* 63311*
analysis and composition 22749 31445*
bacteria 93971
color 11889
feed for bees 64181*
in semen dilution 63222 71933*
microorganisms 57418*
quality 72752 75649
yolks 37012 45913 57409 75595 75672 84898 84856*
analysis and composition 46010 48860 46074*
chemistry 75652*
color 3874 3877 7131 11897 54711 63229 72511 72529 72576 75644 80736 80774 91391 36997* 72525* 72553* 91413*
feed 28213 91382
in semen dilution 11453 11454 27582 80030 11814* 27518* 71933* 71959* 80724* 90848*
proteins 84893
utilization 57298
SEE ALSO Duck eggs; Turkey eggs; and UNDER Insects and names of insects
Eggysomma n g 82602
Egle parva 46945*
Egler W A 49807
Egleston N H 8020
Egner method 26257*
Egregia laevigata 33476* 65598
Egyptian clover
anatomy and physiology 77382*
biochemistry 9311
culture 69607*
fertilizers 18282 52701

Item

Egyptian clover--Cont
fungus diseases 33336*
pests 92099
Ehretia anacua 67407
Ehrharta 58669*
Eichhornia crassipes 87146 16200* 25926*
Eichhornia speciosa 25112
Eichochaitophorus 73375*
Eickmann H 32561*
Eicosanoic acid 57342*
Eicosenoic acid 57342*
Eidophelus 38154
Eijkman's test 83350
Eilema 13012
Eilema caniola 37770*
Eilema complana 5528
Eimeria 28401 37062 80805 63526*
Eimeria acervulina 28261 80807
Eimeria ahsata 28497
Eimeria arloingi 81071 4138*
Eimeria canis 11785*
Eimeria christenseni 78854
Eimeria labbeana 63307*
Eimeria leuckarti 63140
Eimeria meleagrimitis 11962
Eimeria mitis 28261
Eimeria necatrix 91480
Eimeria numidae 46020*
Eimeria spinosa 73036*
Eimeria tenella 20235 63302 72643 80799 80845 91480 27408* 63326*
Einaudi L 67228 76730* 76752*
Einkorn 9169 33768 87405
Eisenia bicyclis 16914
Ejidos 66615 23240* 40582*
Ekadrin 92096*
Ekatox 20 SEE Parathion
Eklund machine 71069*
Ekmonovotsillin-I 72818*
Elacatis kraatzi 92359
Elachertus agonoxenae 38384
Elachiptera cornuta 73256*
Elachista 213
Elachistidae 55938*
Elachopeltis 67580* 67582*
Elaeagnaceae 17848
Elaeagnus angustifolia 42398*
Elaeagnus multiflora 25784*
Elaeis guineensis SEE African oilpalm
Elaphidion nanum 12845
Elaphidionini 82236
Elaphocera 64349*
Elaphoglossum 58739*
Elaphomyces 67595
Elaphomycetales 67587*
Elaphropeza 38223
Elaphrosyron 82602
Elasmopalpus 28968*
Elasmopalpus lignosellus 55378
Elasmoscelis capeneri 46995
Elasmotropis testacea 92519
Elastin 39912*
Elastomers 7181 40133 75680 31498*
reviews 22783
Elateridae
anatomy and physiology 73656
Arizona 64347
Australia 82312
control 20767* 46464* 63919* 63944* 63947* 63953* 63972* 73204* 73233* 73247* 91957*
ecology 38065* 82210*
habits and behavior 12803 82348 38065*
larvae 82349 82277* 92397*
nomenclature 82264
nutrition 29347
parasites 82348 46891*

Item

Elateridae--Cont
populations 46852*
rearing and breeding 55719
taxonomy 82349
USSR 21116* 46891* 63919* 63972* 82210*
Elatobium abietinum SEE Aphis abietina
Elconal 54781*
Elderberries 51994
Eleagnus SEE Elaeagnus
Electric batteries 13032 38514 64247 73514 82104
Electric conductivity 70233 14245*
Electric controls 5694 21751 83285
Electric fans 4734 56191 56194*
Electric heating 5901 21154 30100 56101 56310 64966 93012 47580* 74370*
Electric lighting 5900 5902 92928 21362* 64881* 65037* 74210*
Electric lines 2883 53576 26750*
Australia 27083
Europe 38854 38857
Germany 47270*
USSR 21746* 26961* 44972*
West Africa 71477*
Electric meters 21750*
Electric motors SEE Motors, electric
Electric power 38861 65039 13410* 13414* 13416* 64816*
Italy 93009*
Latvia 93007*
Electric resistors 2064 2461 70226
Electric stunning SEE Slaughtering, humane
Electric transformers 5896
Electric wiring 5893 5894 21747 74359 74366
Electrical engineering 5890*
Electrical forces
in animals 76784
in insects 4852 12724 29691 73535 82078
in plants 8972 16568 16784 42579 50937 51037 51068 51114 51135 51335 60183 68930 76784 77472 77701 59901* 69035* 87656* 87972*
reviews 77512
in soils 10009 52441
in wood 62222 90463*
Electricity
cooperatives 30093 30099 47603
Brazil 83283* 83287*
Latin America 83289
Nigeria 83289
Tennessee 74365
costs and returns 21742 74362 26482*
effects on animals 12266 72383 54558* 63278* 72182* 90764* 91103*
effects on arthropods 73663
effects on insects 4887 5306 5395 20699 29430 37506 55547 73191 5245* 73469* 73865*
effects on plants 8856 16621 16746 24780 34239* 87561* 87728* 87787* 87970*
effects on soils 70353*
hazards and safeguards 5661*

Item

Electricity--Cont
in forest industries 62043*
on the farm 5886 13403 13406 64796 65034 38859*
Germany 13416* 93010*
Great Britain 21742 93003
Latvia 83286*
Northern Ireland 5888 30094
Sweden 38858*
USSR 5891* 13411* 38862* 47329* 47604* 83288*
Utah 5893 5894
research
linear programming 13405*
static 30769*
study and teaching 30095
SEE ALSO Electric power; Electronics; Hydroelectric power; and SUBHEAD electric UNDER specific subjects
Electrification 30098
credit 31726 49027
Czechoslovakia 74357*
Europe 5897 38863 47601
France 15366*
Germany 47608* 93004*
history 21741
Ireland 5887 93006
New York 74361
North Carolina 30097 38860
policies and programs 5895 74360 74363 74369 83291*
California 83290
developing areas 74364
France 66331*
USSR 13404* 21743* 21744*
Puerto Rico 13407
Republic of South Africa 56319
South Carolina 65035
Texas 13409 21752
USSR 5885* 5889* 5890* 13402* 13408* 21745* 21748* 29847* 30096* 65036* 74355* 74358* 93005*
USSR bloc 93308*
Washington 74368
Wisconsin 47609
SEE ALSO U S Dept of Agriculture, Rural Electrification Admin
Electrocardiograms 11237*
cattle 3427* 27868* 36657* 36897* 72130* 91001*
dogs 72414*
elephants 27370
horses 63143 20074* 36897* 72414*
insects 92426
poultry 80853*
rabbits 46089*
sheep 81096 72864*
Electrodialysis SEE Dialysis
Electrodes 36913 6256* 21729* 33278*
in soil research 10001 10050 17880 17944 52459* 89517*
Electroejaculation
cattle 36384 62571 62591 3281* 36426* 80006*
sheep 37184*
swine 37297*
Electroencephalograms 3670 81324
Electrolytes 16531 17952* 17965*

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Item

Electrolytes--Cont
in animal physiology 12139 20388 36890 79712
Electromagnetic induction in animal research 20412
Electrometry 79396
Electron microscopy SEE Microscopy, electron
Electron spin resonance SEE Magnetic resonance absorption (by electrons)
Electronics 23888 64786 47602* 73992*
in cotton industry 6511
in food processing 6713 93878
in greenhouse culture 92990*
in plant research 87590*
in seed grading 84969 66190*
in soil research 26151*
in starch research 5947*
in sugar industry 85076
in veterinary research 62493
Electrons 9261 46316 55203
Electrophoresis
in animal research 11926 11983 19503 20320 37352 54412 54741 54977 72599 72983 80658 80950 81210 81333 3421* 3584* 11747* 11833* 19526* 19593* 19784* 19823* 19824* 20357* 27836* 27960* 37162* 37402* 45561* 45678* 45700* 53743* 53992* 54246* 54764* 62548* 63013* 63164* 72191* 80268* 80635* 81327* 91318* 91912*
in brewing research 14647
in dairy research 13717 22033 47934 54382 83772 6241* 47933* 93290* 93293*
in egg research 84893 75668*
in entomological research 73518 74768 82108
in feed research 93448*
in flour research 65862*
in food research 83359*
in grain research 6853 57143 93704
in insecticide research 20590
in meat research 14339
in milk research 13754*
in molasses research 31562*
in plant research 784 16156 34261 41287 50465 60078 1395* 42920* 69216* 88188*
in protein research 22583 34261 48514 84639* 88188*
in soil research 35178 52572 17995* 61138*
in sugars research 7241* 31562* 57552*
Electroretinograms 4849* 29412*
Elemol 66116
Elenchidae 56015*
Eleocharis 58681
Eleocharis dulcis 32984
Eleocharis palustris 898 86510
Eleodes longicollis 4983
Elephantgrass SEE Pennisetum purpureum
Elephants 8653 22873 27389 41640 62413 90660
Elettaria cardamomum 50506

Item

Eleusine coracana SEE Ragimillet
Eleusine indica 15756*
Eleusine verticillata 24593
Elgin (Ill) Board of Trade 83877
Elisabethana 82272*
Elk 10866 79415 79367*
Ellender A J 35624
Ellisia nyctelea 67407
Ellychnia 82271
Elm SEE Ulmus
Elm leaf beetle SEE Galerucella luteola
Elm spanworm SEE Ennomos subsignarius
Elmifarma 28093*
Elodea canadensis SEE Anacharis canadensis
Elodea densa 59380 68412
Elodes 82271
Elongatosybra n g 82225*
Elonium 92416
Elporia bertrandi 82432
El Salvador Ministerio de Agricultura y Ganaderia 76653*
Elsholtzia patrinii oil 22669*
Elsinoe ampelina 24208
Elsinoe boucheae 58789
Elsinoe corni 58975
Elvira biflora 9298
Elymus caput-medusae 1085 1597 9892 52256
Elymus junceus 1225 51374 68730
Elyonurus hirsutus 17145
Elytroderma 59053
Embelia ribes 1374 16384 25241
Embelia robusta 1374 16384
Embelin 25241
Embiodea SEE Embioptera
Embioptera 82881 5648* 38588*
Emblica officinalis SEE Phyllanthus emblica
Embolisms 54543
Embonate 80291
Embryology 23722
Embryonal carcinosarcoma 80842*
Embryotomy 19545* 36538* 36914* 45569* 45572* 90691*
Embutal SEE Pentobarbital
Emel'yanov A S 86206*
Emergency Feed Grain Program 6770 6771 13909 14309 22135 22150 22461 39428—39430 39435 39455 48123 56826 57199 65560
Emericellopsis 284 50120 50842
Emesopsis 38358
Emex spinosa 67507
Emilia 58586*
Emittol 4483*
Emmental AG Zollikofen 47888*
Emmer 24738 24760 33792 87443*
Empecamenta 82260*
Empetrum 8229
Emphoropsis 38414
Emphoropsis miserabilis 5325 5329
Emphysema 54280*
SEE ALSO Pulmonary emphysema
Emphystegia n g 64554
Empididae
abnormalities 82428*
anatomy and physiology 38168* 46966* 92447*
as predators 73675
Australia 5135
Finland 38244*

Item

Empididae--Cont
food and host plants 73696
Great Britain 73696
habits and behavior 5109 21171 73675
larvae 12877
Micronesia 21226 38223
North America 46918
predators 92470
taxonomy 46918
Empidinae 92432
Empire Cotton Growing Corporation 9417 17110 17111—17115 74969
Empis bistortae 38168*
Empis opaca 73675
Empis tessellata 5109
Employment 14679 31757 31777 38918 76430
Arizona 40377
Europe 32134
Georgia 74438 75125
Illinois 31753
India 22969 31754 31772 66443 85276
Indiana 22975
Japan 49095 94238*
Michigan 85297
Montana 49082
Poland 66479*
policies and programs 57776 75937
situation and outlook 66453
statistics 66443 66484 94252
Tunisia 85310*
Virginia 7415
SEE ALSO Labor; Occupations; Unemployment insurance; and UNDER Youth
Empoasca 55439 64499
Empoasca decipiens 37736*
Empoasca devastans 29048 55406
Empoasca fabae 4668 12525 37690 55442 55865
Empoasca flavescens 37748*
Empoasca lybica 73318*
Emprepes 47130*
Empronus 64554
Empusa (plant) SEE Entomopthora
Empusa aphidis 64489
Emulgin 2843*
Emulsifiers 47783 57360* 93043* 93914*
Emulsions 6214 14354 13800* 30586*
SEE ALSO UNDER Herbicides; Insecticides
Emus 15899
Enantiogonus n g 4936
Enantiola n g 21145*
Enation mosaic
Dolichos 59171
peas 77262
Enarsia formosa 82586
Encephalartos poggei 33726*
Encephalitis
cattle 80276
control 55292*
ducks 37034*
goats 72855*
horses SEE Equine encephalomyelitis
Japanese type 37416 55283 19467* 37596*
man 20685*
Murray Valley type 37510
prevention 55292*
St Louis type 55258 81470 81577
sheep 4153* 37273*
swine 37416 55118 37379*
transmission 4456 4493 28882 28941 55258 81470 81489 12427* 12428* 63829* 63841*

Item

Encephalitis--Cont
transmission--cont
Florida 37518
Latvia 37613*
USSR 37517* 55275* 55292* 55312* 63867*
virus 4456 20653 28941 37510 37518 79945 12427* 12428* 73132* 73171*
Yugoslavia
SEE ALSO Encephalomyelitis; Meningo-encephalitis
Encephalocarpus SEE Ariocarpus
Encephalomalacia 20234 54791 72642 80849*
Encephalomyelitis
cattle 19932 36542
hamsters 36955
horses SEE Equine encephalomyelitis
poultry SEE Epidemic tremor
swine 46239 81241
SEE ALSO Teschen disease
Encephalomyocarditis 79800
Enchytraeidae 38048*
Enclosures 65023 65031*
cattle 30044
coypus 38808*
geese 92975
sheep 20345 28440 56298
swine 28618 73035
Encya 46858*
Encyclia SEE Epidendrum
Encyclopedias 14841*
Encyrtidae
anatomy and physiology 29609
as parasites 73792*
Great Britain 5293
Hungary 47076*
taxonomy 12949 29582 47088 92530 92565*
types 12979*
Encyrtinae 12959
Encyrtus cleone 5293
Endaeini 46906
Endecatomus 12802
Enderleina n g 64728
Endive
abnormalities 77610*
anatomy and physiology 59931 34162* 87765*
culture
Belgium 1902*
France 34889*
Netherlands 9811* 9832* 17586* 25801* 25803* 25819* 43596* 52075*
forcing 17586* 25819* 43596*
germination 77610*
irrigation 43596*
marketing 39663*
pest control 4635* 20746* 46500* 63932* 81621*
pests 12506* 12507*
physiological diseases 25042*
soils 17586*
weed control 9862*
Endocarditis 37042 54305 3179* 28675* 54020*
Endochironomus albipennis 21200*
Endochironomus impar 21200*
Endochironomus tendens 21200*
Endoconidiophora coerulescens 42843*
Endoconidiophora virescens 42843*
Endocrine glands
arachnids 46787
cattle 54284
dogs 27993 36816*

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Item

Endocrine glands--Cont
insects 4867 5227 5541 29407 29537 29772 38499 55648 82046 5579* 13091* 38497* reviews 46772
laboratory animals 28137
livestock 36950 71772* 91610*
poultry 3834 63338
rabbits 20311 28405
swine 55060* 91802*
Endogone 52596 52612 52613 86564 35198*
Endometritis SEE Metritis
Endometrium 3779* 19844* 54508*
Endomychidae 55717
Endomycopsis scolyti 5027
Endomycopsis vernalis 9162* 24943*
Endophragmia 58775
Endophytes 32955 68668 16216*
Endoscopy 45780
Endosulfan
determination 39649*
fruit pest control 4706 81793 81804
oil plant pest control 37622*
residual effectiveness 29090
sugar beet pest control 4622
toxicity 29209*
vegetable pest control 81633
Endothal 1910 17795 25905 34955 43735
Endothia parasitica 8857 41785* 41787*
Castanea 15796 16073* 67939* 77180*
Endoxan 72300*
Endrex 55412
Endrin
analysis and composition 63778 20571*
cotton pest control 29046 73231
determination 4385 4448 14070 74412 91980
drug plant pest control 92168*
isomers 63778
nut pest control 20824
residues 4621 22405
rice pest control 46433*
rodent control 10777 15905 24136 33048* 58903*
sugarcane pest control 55376
toxicity 4429 4831 28797
Endrodius SEE Onthophagus (Endrodius)
Endromis versicolora 5398*
Enedreytes 46910*
Enema 20000
Engelmann spruce SEE Picea engelmannii
Engelmann spruce beetle SEE Dendroctonus engelmanni
Engel's Law 38914
Engineering 5667 56054 64747 13103* 82920* 92677*
as an occupation 5662 29823 32590 38599 56055*
Australia 56056
bibliographies 82918 83923 56049*
conferences and congresses 13107 73924 92683*
dictionaries 92679
Germany 56068*
East Germany 38594*

Item

Engineering--Cont
Great Britain 13107 56048 64754 73924
India 47274
Indiana 64756
Japan 5670*
Michigan 92682
public relations 56050
Republic of South Africa 29872
situation and outlook 64753
study and teaching 13106 64751 56052*
USSR 13109* 13110*
SEE ALSO Electrical engineering; and UNDER Forestry
Engineers 82929 13104* directories 15610
Engines 93014 74214* 92945*
Germany 93015*
maintenance and repair 5904 13415 92938 93013
operation 92938 47613*
tractors 5819 21666 47502 13317* 30001* 56246* 74214* 83203* 92931*
deterioration 64953*
maintenance and repair 92947* 38779*
parts 38770* 47499*
types 13417*
English grain aphid SEE Macrosiphum granarium
English Guernsey Cattle Society 80028
English oak SEE Quercus robur
Engyotingis n g 5221
Enhalus acoroides 24009*
Enhydrus 73599
Enicocephalidae 38347 82574
Enkleia 155
Ennominae 29707*
Ennomos subsignarius 12997 46596 55942 55977 92433
Enols 88215
Enosinma vectiferella 46433*
Entandrophragma utile 11139
Entaphioides 46910*
Ente Nazionale per la Cellulosa e per la Carta 36038 35782* 79531*
Ente Nazionale Risi 6764* 57133*
Entephria 12894*
Enteric cytopathogenic avian agents 46044
Enteric cytopathogenic orphan virus 3086*
Enteric cytopathogenic porcine orphan virus 12257* 12258*
Enteritis
cattle 45583* 80306*
minks 28083 54583 3724*
rabbits 37154
rats 3802
sheep 12159*
swine 55098 55132 81174 20535*
virus 3077
SEE ALSO Feline infectious enteritis; Gastroenteritis
Enterobacteriaceae 5557 81257 27825* 30145* 38911* 45621*
Enterobryus 282
Enterococcus 24525 74477 22067* 54373* 93809*
Enterohepatitis SEE Blackhead
Enterol 11370
Enterolobium saman 8419
Enteromorpha compressa 34046* 51534*

Item

Enteromorpha tubulosa 32910*
Enterotoxemia 90668
cattle 3439 3518 27749 62728 19795*
laboratory animals 28136
minks 63113
sheep 20374* 20407* 28508* 37261* 54943* 66049* 81117*
immunization 91679 91736 4146*
India 12130
prevention 20393*
USSR 72822* 81019*
swine 55094*
vaccines 91679
Enteroviruses
cattle 3516 11636 62851 80247 90994 91088 11575* 19790* 45632*
swine 28700 28702 37404 91911 12250* 19790* 46284*
Entex SEE Baytex
Entobacterin 4711* 12542* 37459* 46595* 73217* 73307* 73380* 81365*
Entodinium 45237 45252
Entodinium caudatum 81034
Entoloma 41542
Entoma 73078
Entomobrya 5646*
Entomobryidae 73909
Entomobryinae 13073
Entomognathus 73783*
Entomological Society of America 37432 73060
Eastern Br 81355
North Central Br 20552
Entomological Society of Manitoba 81356
Entomological Society of Ontario 63701
Entomological Society of Quebec 63702
Entomological Society of Southern Africa 28734
Entomologische Blätter 91940*
Entomologists 12727 37432 55157 63706 81601 46305* 63698* 91943*
Belgium 81359*
Canada 63702
Finland 28740
Great Britain 63708 82745
Entomology 58503
advisory services 55817*
as an occupation 28742 37821
associations 73060 81355 81356 81357*
Canada 63701 63702
Finland 28740
Great Britain 63706
Hawaii 4313
history 28734
Hungary 46304*
international 4868*
New York 28738
Oregon 55158
Republic of South Africa 28734
bibliographies 4309 29275 91941 29238* 82092*
Antarctic Region 37966
Argentina 55640
Finland 38001
Brazil 76684
China 4308
conferences and congresses 4318 20552 29237 81354
Czechoslovakia 29254
dictionaries 28736
economic 64074 73396 81429 91974 4443* 63826*
bibliographies 29275
conferences and congresses 4349

Item

Entomology--Cont
economic--cont
Congo 12429*
Finland 38001
history 46396*
Israel 20561*
situation and outlook 46355
Southern States 4743
study and teaching 28859 46363 28910*
USSR 20557* 28811*
equipment 4901 5332 12323 20550 20551 20554 20555 21494 28737 37433 38263 46306 46759 46780 55533 55812 63699 64625 73527 73549 73640 73746 73886 81546 82325 12755* 20584* 21007* 55645* 92610*
Guatemala 92617*
history 63700
Missouri 55201
nomenclature 64229 82071*
periodicals 91941 37434* 91940*
Poland 73385
policies and programs 73063 76683*
public health aspects 4349 28907 12429*
records 4317
research 41309
reviews 37431
Rumania 55635*
situation and outlook 29254
statistical methods 692 46764 46765 64646 73667 73729 73738 73828 81786 82504 82713 55714* 64259* 64469*
study and teaching 4311 4314 12431 15910 46385 82790 91974 4558* 91944*
techniques 4315 4970 5104 5193 5638 12358 12851 21037 21337 29363 29502 29509 55545 55812 55830 63699 64606 73515 73740 73881 73887 82483 91989 92228 4319* 5275* 5287* 29256* 37435* 64252*
terminology 28736 46363 82076
Uganda 21012
USSR 46302*
SEE ALSO Insectaries; Insects
Entomophthora 55455 67597
Entomophthora aphidis 46465
Entomophthora coronata 63141 63145
Entomophthora creatonotus 47207
Entomophthora sphaerosperma 81764
Entomophthoraceae 1081 46465 82279*
Entomosporium maculatum 33344*
Entonyssidae 12765
Entonyssus 12765
Entotrophi 4947* 5629*
Entreprises Agricoles de la Busira au Lomami 94375*
Entyloma calendulae 58965
Environment
effects on animals 3023 4005 20120 28333 36154 36453 36963

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Item

Environment--Cont
effects on animals--cont
36967 37181 37295
46027 54371 54689
54890 62511 62649
62794 63264 63659
63676 72453 72749
72857 80962 90832
91352 91359 91363
91486 91576 91777
4063* 4068* 27503*
27506* 28392* 54493*
71953* 73007* 80924*
effects on insects 5008
5187 21225 29542
47184 5019* 5089*
29523* 29349* 37954*
38385* 47051* 47173*
64628* 92583*
effects on plant disease
67868 86806 500*
10780* 33208* 33284*
effects on plants 2845
3003 24918 33841
33908 51181 51310
59789 59867 87251
87295 87612 87699
87725 88066 5940*
16710* 24998* 51302*
59347* 59606* 59560*
59641* 59652* 59719*
68719* 77754* 87925*
87973*
bibliographies 62154
reviews 71610
Enzootic ataxia SEE Swayback
Enzymes
amylolytic 31194*
analysis and composition 64211*
cellulolytic 16944 27268
59055 86993 26131*
61233* 89553* 89554*
chemistry 14482 82070
83342 2852* 83354*
84530* 84532*
effects on bacteria 63761*
effects on vitamins 75115*
fungilytic 60332
hydrolytic 3073
in animal nutrition 19406
in animal physiology 53915
63750 82070 90686*
in cattle nutrition 3350
36477 45475 54146
54215 62877 80196
80203 90893
in cattle physiology 79764
in dog physiology 54512*
in feed processing 30697
in food processing 6028
13538 13545 13561
21903 57301 6040*
39070* 39893* 57084*
83566* 83687*
conferences and congresses 13558
in fruit processing 14141
in hides and skins processing 39997 84759*
in insecticide research 93053
in insect physiology 12366
73817 82298 82840
82841 81972*
in meat processing 6996
48715 75398
in pigeon physiology 28272
82841
in poultry nutrition 3884
45921 45930 54753
80752*
in poultry physiology 37027*
in rabbit nutrition 55048*
in rabbit physiology 82841
in rat physiology 79764
in ruminant physiology 36261
in sheep physiology 79764
in silage preparation 79700

Item

Enzymes--Cont
in starch research 38903
in swine nutrition 72958
55048* 72938*
in swine physiology 55000
in turkey nutrition 3884
28207
in wine manufacture 6121*
13668* 56553* 74628*
83687*
inhibitors 28798 64211*
lipolytic 83759 30526*
manufacture 13555
pectic 8438 22416 50294
50295 50381 59009
59055
pectolytic 13555 14057
14058 86993 6121*
6890* 56553* 65202*
65713* 74628* 77199*
83687*
properties 13555 64211*
65405*
proteolytic 6226 6824
6996 13715 27323
31173 48110 51478
57301 65426 69252
72958 84212 93364
6040* 6890* 11973*
22102* 56553* 56659*
65710* 69210* 74721*
SEE ALSO Coenzymes; names of enzymes; and UNDER specific subjects
Eocatops 5043*
Eomenacanthus stramineus SEE Menacanthus stramineus
Eopleurozia n g 24053
Eosentomon 13083 5653*
Eosentomon asahi 13082
Eosin 3973 33729*
Eosinophilic granuloma 72357
Eosinophilic myositis 80372
Eosinophils
cattle 62742 62898
62921* 80468*
horses 36894 54634*
swine 55118
Eotachys 73595*
Eotetranychus lewisi 46604
Epacridaceae 42288 50096
8794*
Epaule River Watershed (Quebec) 2652
Epelis 47185*
Eperythrozoonosis 91031
Ephedra 42575 60326*
68287* 68780* 71197*
Ephedrinae n sfam 92556*
Ephedrine 60326*
Ephedrus 92561
Ephelis 8730
Ephemera danica 29787*
Ephemera simulans 92653
Ephemerella 47242*
Ephemerella (Attenuatella) 38555
Ephemerella notata 21490*
Ephemerella (Serratella) 21478
Ephemerellidae 47242*
Ephemerida SEE Ephemeroptera
Ephemeroidea 92656*
Ephemeroptera
Angola 38567*
collecting and preserving 13094
control 68688
Denmark 21490*
East Africa 73914
geographic distribution 92653 29795*
habits and behavior 73914 21012
Italy 92656*
larvae 47233
Michigan 64732
New Zealand 82896

Item

Ephemeroptera--Cont
nymphs 47236 56043
29787*
Ohio 73915
outbreaks 20567
parasites 38169 29787*
phylogeny 82867*
Republic of South Africa 56043 73883
Southeastern States 21478
Tanganyika 47233
taxonomy 5592 38555
42736 56021
Thailand 56042
Uganda 21012
Yugoslavia 47240* 47241*
47242*
Ephestia 5548
Ephestia cautella 21427*
29125* 29132* 47196*
55981* 64682*
Ephestia elutella 29116
37783*
Ephestia kühniella SEE Anagasta kühniella
Ephestia sericarium 5397
Ephydridae 46920 46921
46922 21233*
Epiblema 92572*
Epiblema foenella 5448
Epicausis 38519*
Epicauta cinerea 46412
Epichloe typhina 24267
33244
Epichorista ionephela 21412
Epiclerus 47071*
Epicnemis n g 82359
Epicoccum 4
Epicypta 82391
Epidemic hemorrhagic fever 73136*
Epidemic tremor 11954
20237* 20242* 45999*
control 37072 91543
91549
diagnosis 91549
Germany 28277* 91499*
immunization 20198
37021 91549
Italy 3947*
quail 72621
resistance 63274
Switzerland 3909*
vaccines 20198
virus 37021
Epidendrum 105 43491 43563
41317*
Epidendrum altissimum 8216
Epidendrum coriifolium 43495
Epidendrum hodgeanum 8216
Epidendrum oerstedi 50086
Epidendrum polychlamys 41464
Epidendrum purpurascens 41464
Epidiaspis leperii SEE Epidiaspis piricola
Epidiaspis piricola 81765*
Epididymis
cattle 19873 27529
54437* 80047*
dogs 63033
minks 11803*
rabbits 37144
sheep 37188 81028*
diseases 12138 63435
72878 81086 12133*
91675* 91689* 91690*
Epifagus virginiana 33597
Epikodamaius 56034
Epilachna 55733 82286*
Epilachna indica 12816
Epilachna karenensis 12816
Epilachna nativitatis 46814*
Epilachna varivestis 12526
20605 21097 37690
55192 55472
Epilachna vigintioctomaculata 12515* 73248*

Item

Epilachna vigintioctopunctata 4645
Epilampridae 92630
Epilobium 67477 88170*
Epilobium hirsutum 8868*
Epilobium leptophyllum 86514
Epilobium nerterioides 33481
Epilohmannia 73588 12756*
Epimactis 21366
Epinannolene 4936
Epinema n g 58757*
Epinephele poliozona SEE Neomaenas poliozona
Epinephrine 4135 72686
80694*
Epinotia nigricana 29144*
Epiophlebia 38556
Epiophlebia laidlawi 38590
Epipactis 67526
Epipactis dunensis 67526
Epipactis latifolia 172*
Epipactis leptochila 67526
Epipactis muelleri 67526
Epipactis phyllanthes 67526
Epipedonota 82288*
Epiperipatus 4906
Epiphytes 641 8685
16245* 68819* 77521*
anatomy and physiology 16715
ecology 33524*
Florida 89059
Japan 59332
Republic of South Africa 58702
Tropics 16212
Yugoslavia 50614*
Epipleoneura 82899*
Epipsammia 92628
Epironiscellus (Macaroniscus) n sgen 38037*
Episbates 13097*
Epischnia 47130*
Episeus 73584
Episoda 29593
Episternum 82137*
Episyron 82602
Episyron rufipes 64540
Epitaphius 46910*
Epithelioma 11756*
Epithelium 11948 12156
20322 37229
Epithema carnosum 68331
Epitola 92594
Epitolina 92594
Epitrimerus 46793 92318*
Epitrimerus pyri 92192*
Epitrix 55726 82215*
Epitrix tuberis 4595
EPN 4398* 47871* 55213*
Epochra canadensis 73310
Epochrella SEE Epochrinopsis (Epochrella)
Epochrinopsis (Epochrella) n sgen 38191*
Epomidiostomum petalum 46055*
Epova N A 94889*
Epoxy resins 30840 36010
44424 74334
Epsom salts SEE Magnesium sulfate
Eptam SEE EPTC
EPTC 1910 1924 16566
17818 18998 26072
35804 43803 52170
52190 52231 52241
89318 89296* 89297*
89342*
Epulis 27970*
Epuraea 29359 82271
Epyris 55891
Equine encephalomyelitis
America 72421*
Argentina 54621*
asses 45839
Brazil 53885*
diagnosis 91303
eastern type 81524
birds

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Item

Equine encephalomyelitis--Cont
eastern type--cont
ducks 20223
Maryland 3765
New Jersey 81524 81558
poultry 55284
transmission 12405 36265 37545 55284
turkeys 19575
virus 54016 55284
wildlife 55284
Venezuelan type 36257 80631 91519 45831* 45832*
virus 54628
western type
Mexico 72420*
New Jersey 81524
transmission 55258
virus 45323 55258 80661 81577
SEE ALSO Borna disease
Equine infectious anemia 45837 80645 91304 28117* 36901* 36910* 45842* 72419* 91316*
Australia 80643 80646
diagnosis 11827* 20077*
Italy 54645*
treatment 36900*
USSR 54622*
vaccines 28112
virus 28126*
Equipment
advisory services 73965*
animal-drawn 64789 64910 36920* 56092* 64774* 83195*
appraisal 29843* 92731* 92774*
Australia 13118
bibliographies 64770 94873 47309*
Canada 21528 21690 56091 21530*
China 29836
conferences and congresses 13113 21523*
construction 13153 5710* 21541* 21560* 56077* 56093*
contracts 82997*
cooperative use 82944*
Finland 21538*
France 29841* 47288*
Germany 13120* 13152* 47283* 64767*
East Germany 56066*
Netherlands 13136* 13154* 21535*
Poland 92696*
Sweden 82952*
Switzerland 73949* 92713*
cooperatives 56075 64760*
costs and returns 5712 21522 29849 29857 64791 64801
Austria 21539*
Germany 73987*
Great Britain 13243
Mississippi 74240
Netherlands 13136*
North Dakota 13138
Norway 13147*
Poland 64762*
Rumania 40549*
Spain 21552*
Sweden 64773*
Switzerland 38640* 92713*
USSR 14784* 47295*
credit 56065 49032* 85218*
Czechoslovakia 76172*
demonstrations 5729* 92853*

Item

Equipment--Cont
Denmark 5692* 83228*
depreciation 5680 13127 13131 38622 38768 83028 92715 49018* 64793* 75857* 92716*
designs and specifications 21532* 21533* 47296* 83214* 92697*
deterioration 21564* 47457* 47463* 92716*
directories 29832 38768 47293 47505 56099 64792 64776
Canada 64764 64769
Great Britain 73938
Japan 5715*
effects on soils 5727 29845 29904 10149* 18936* 38614* 52440* 56079* 78296* 89453* 89457* 90310* 92712*
electric 5797 5880 22796 27003 38712 38861 74305 13213* 13402* 48480* 83156* 83284* 83292* 92945*
Europe 82978
France 29835* 64802*
Germany 38604* 47278*
East Germany 76172* 82949*
Great Britain 47310*
handbooks 5700* 92685* 92691*
hazards and safeguards 13112 5660* 5674* 7448* 56095*
Austria 21518*
Great Britain 64758 64909
USSR 83209*
high-clearance 64939*
history 64745 21614* 64752* 92709*
household 56057
illustrations 92699*
India 29842 64789
industry 29839* 29857* 38605* 92706*
Denmark 13145*
Germany 64782* 92714*
Italy 82947* 82993*
Poland 92721*
USSR 47300* 56076* 82973* 82975* 83216*
Japan 13122 64778 29859*
labor-saving 21610 83233 47365* 47529* 82935* 82982* 92728*
legal aspects 38639*
lubrication 13287 22216 83154 13292* 47456* 47459* 83159*
maintenance and repair 5798 29867 38674 55245* 64920* 83158*
conferences and congresses 38735*
costs 13131 38733*
Germany 29976*
East Germany 38630*
38728* 38737* 38738*
38740* 38742* 47458*
56213* 56215* 83161*
Hungary 21655*
labor 23078*
Netherlands 64919*
Republic of South Africa 83154 83162
study and teaching 83157
USSR 5815* 13291* 13306* 13322* 21658* 56097* 83153*
manufacture 82933*
marketing 29839 32303 64799 82937
Canada 47284 92690

Item

Equipment--Cont
marketing--cont
France 5813
Germany 29863* 73972* 73988*
Netherlands 5699* 49071* 82987*
operation 5703 29867 5664* 13246* 21552* 26747* 47289* 56095* 66480* 73933* 82976*
Germany 83214*
Italy 64749*
Poland 5808*
USSR 29865* 92730*
parts 29837 56084 82977 38628* 38736* 47450* 56213* 83158* 92693* 92720* 92907*
pneumatic 83114 92794 92831 92911*
policies and programs 64777* 73994* 73999* 82973* 92718* 92724*
portable 26748* 47312*
prices 21546 73931
purchasing 13260 13294 47276* 82980*
rental 13260 21535 21550 29825 82985 92696*
Republic of South Africa 83184
research
statistical methods 38737*
shows 13130* 73948* 82989*
situation and outlook 56057 67144 5709* 73988* 92681*
standardization 38635* 47298* 56090* 83001* 92731*
statistics 5690 29839 92722
Australia 92686
Belgium 83573*
European Economic Community 56092*
Germany 5682* 38631*
Great Britain 83581
Indonesia 21547
Italy 83008*
Netherlands 92725*
Norway 47306*
USSR 13121*
storage 29980* 29981* 47460* 47462* 64920*
Australia 64918
Denmark 83160*
Germany 29976*
USSR 21654* 29978* 47457* 92909*
study and teaching 83000 82930*
Germany 21527* 38620* 64772* 92692*
USSR 75963*
Sweden 29844* 56094*
terminology 64783*
tests 56063 26808* 92687*
Canada 56088
Europe 83001*
Germany 64781* 73940*
East Germany 92688* 92695* 92855*
Great Britain 56059 73959
USSR 73939* 83209* 92702* 92920*
trade 38613 15068* 29830* 47316*
Tropics 73953
types 73942 92719
USSR 5683* 5696* 5704* 29866* 38619* 56074* 56097* 64759* 64763* 64967* 92951*

Item

Equipment--Cont
utilization 47292 64791 82992*
SEE ALSO types and names of equipment, and UNDER specific subjects
Equipment insurance 57722*
Equisetum 8261 58733 19498* 24908*
Equisetum arvense 52232
Equisetum palustre 11839* 36731*
Equol 20205
Eragrostis 156 772 60586
Eragrostis curvula 17156 25471 25934 88649 69008* 88574*
Eragrostis tef 91691
Erannis defoliaria 20819
Erannis tiliaria 73367 73800
Eranthis hyemalis 16904*
Erbitox Giallo 43760*
Erdelyia n g 55679
Erebia aethiops 5386
Erebia aquitania 64659*
Erebia calcarius 38491*
Erebia discoidalis 64609
Erebia melampus 5544
Erebia neleus 64659*
Erebia neleus noricana 64659*
Erebia sudetica 5544
Erebia tyndarus group 38491* 64653*
Erechtites quadridenta 17745
Eremellidae n fam 29283
Eremobates 82177
Eremobelba nervosa 82150
Eremobelbidae n fam 29283
Eremobia ochroleuca 38454
Eremocharis 67474
Eremochloa ophiuroides 77514
Eremochlorita 38289*
Eremomydas 46915*
Eremonotus 15828
Eremophila longifolia 31350
Eremophila mitchellii 24547
Eremophila oppositifolia 31367
Eremophlepsius 38289*
Eremotermes 21503
Eremotes ater 46868*
Eremothecium ashbyii 87753*
Eremurus 67523
Erephopsis besckii 38161* 82357*
Eretmapodites 21258* 64471*
Eretmapodites forcipulatus 55829*
Eretmapodites mattinglyi 21257*
Eretmapodites oedipodius group 21258*
Ereynetidae 64287*
Ergosterol 33738 77759 69189* 77826*
Ergot 16974 88097 43034* 43851* 43868*
Ergot (plant) SEE Claviceps purpurea
Eria 67501
Erica 9750 32729 69842 52057*
Erica carnea 76983*
Erica gracilis 67910*
Erica mediterranea 76983*
Ericaceae 32852 69838 41366* 87554*
Ericales 2146 50763
Erigeron 8199 15716*
Erigone 82180
Erigonidae 46796*
Erigonidium 82180
Eriobotrya japonica SEE Loquat
Eriocampa ovata 64541*
Eriocaulaceae 86476
Eriocaulon 32715 32844

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Item

Eriococcidae SEE Dactylopiidae
Eriocraniidae 38467
Eriodera SEE Cylindera (Eriodera)
Erioderus 92363
Eriodictyon 67521
Eriogonum 15757 32778
Erioischia brassicae SEE Hylemya brassicae
Eriophorum angustifolium 59278
Eriophorum vaginatum 1061
Eriophyes 92328
Eriophyes essigi SEE Aceria essigi
Eriophyes laevis 12791*
Eriophyes padi 12586 12596*
Eriophyes pyri 20842 81782
Eriophyes ribis 37750* 64010*
Eriophyes similis 12596*
Eriophyidae
and plant disease 12473
as pests 12604 81745* 82169*
food and host plants 29268*
Great Britain 73573
Kansas 38028
Poland 92318*
populations 21058
Sweden 64269*
taxonomy 46793 92328 12791*
Erioptera 38157
Erioptera (Ctenerioptera) n sgen 38156
Erioptera holdgatei 92437
Eriopterini 5110
Eriopyga monilis trocas 82677*
Erioschidias 38154
Eriosoma lanigerum 29431 46565 12546* 37724* 46532* 46540* 92546*
Eriphus 55764*
Eristalis tenax 46963
Eristalis vinetorum 55630
Ermine moth SEE Hyponomeuta padella
Ernarmonia pomonella SEE Carpocapsa pomonella
Ernestia 50017*
Erodini 55731*
Erodium cicutarium 59666*
Erodius 38068*
Erora laeta 29728
Erotylidae 55716 82248*
Eruca sativa 75609 25977* 75609*
Eructation SEE Belching
Ervum lens SEE Lentils
Erwinia 86982*
Erwinia amylovora 529 9609 33359 50435 78066 86995 41954* 86973*
Erwinia ananas 33360*
Erwinia aroideae 86992*
Erwinia carnegieana 518 41936
Erwinia carotovora 41950 41955 50451 65786 86993 77199* 77200* 77201*
Erwinia chrysanthemi 16107
Erwinia cypripedii SEE Erwinia carotovora
Erwinia dieffenbachiae 8567
Erwinia parthenii 77197*
Erwinia phytophthora SEE Bacillus phytophthorus
Eryngium 67381 89254*
Erynnis zarucco 5456
Erysimum 88175*
Erysimum perofskianum 88176*
Erysipelothrix insidiosa 4290 12302 20245 28718 55059 63622

Item

Erysipelothrix insidiosa--Cont 81291 81336 20517* 36958* 46232* 46285* 63673* 80323* 80847* 91286*
Erysipelothrix rhusiopathiae SEE Erysipelothrix insidiosa
Erysiphaceae 8447* 41581*
Erysiphe 33347 260*
Erysiphe cichoracearum 447 24342 41765 86933 43628* 86834* 86902* 86939*
Erysiphe graminis 41807 42399 77133 41739* 58977* 86743*
Erysiphe graminis hordei 86804
Erysiphe graminis tritici 24210 50397 86840*
Erysiphe polygoni 33280
Erysiphe umbelliferarum 24315
Erythemis simplicicollis 38566
Erythraeoidea 4955
Erythraeus 64307
Erythraxus n g 4955
Erythrina abyssinica 67442
Erythrina brucei 67442
Erythrina glauca 25980*
Erythrina sandwicensis 728
Erythrites n g 4955
Erythritol 45649
Erythroblastosis 46025 11976* 80832*
Erythrocyte sedimentation
reaction 36223* 54619*
cattle 19938* 72145*
goats 63535*
poultry 72462 63292*
sheep 54923*
Erythrocytes 36224 36253 53977 71749 79780 90594
asses 80253*
cattle 3468 3563 62493 62861 79910 80255 80350 11323* 11552* 27865* 62824* 62945* 72228* 80253*
dogs 63075 79910 91246 11323* 11770* 63066* 72328*
ducks 12007 20256 46016*
goats 28458 81075 63535*
horses 54622*
laboratory animals 63196*
pigeons 63325
poultry 11871 54754 81572
rabbits 16976 11323*
ruminants 79796
sheep 12119 16976 37244 46128 46145 62493 81040 81073 20406* 63478* 81074*
swine 62493 79910 12237*
Erythrol 27860
Erythromycin 3914 62861 72663 12297* 16582* 37414*
Erythromycin stearate 92285
Erythromycin thiocyanate 92285
Erythroneura 64499 38289* 47051*
Erythronium americanum 17439*
Erythroxylon 41317*
Erythroxylum suberosum 87245*
ES-1 44878*
ES-2 44878*
Esastigmatobius longitarsis 64309*
Esche E 67237*

Item

Escherichia coli 37049 79855 36311* 53968*
as feed 72581
cats 63055
cattle 36710 54298* 54299* 54440* 62853* 72217* 90986*
dairy products 6386
dogs 72325
guinea pigs 20116
livestock 27383 79922 90621
meat 7016*
milk 30537*
poultry 3913 11998 20255 28275 28276 45951 72588 72615 28311*
swine 37368 37383 37408 55098 55132 63675 91882 91898 46269* 55103* 63677* 81326*
Escherichia coli acidilactici 90968*
Escherichia freundi 36703*
Eschscholtzia covillei 152
Esenbeckia 8198
Esophageal fistula 3558 63492 81087 91658
Esophageal impaction 19937* 63171*
Esophageal obstruction 72324*
Esophageal worms 54503 11776* 12108* 45746*
Esophagus 3157* 19562*
cats 28038
cattle 62850 36621* 62830*
dogs 28022 36830 91255* 72348*
poultry 37006
ruminants 53908 79892*
sheep 4134*
Esparcet SEE Sainfoin
Esparto 66289
Esperance (New York) George Landis Arboretum 33091
Essential oils 57392 7044* 79657* 84791*
analysis and composition 7026 14486 14491 14502 22702 31394 66116 66145 75496 75519 7116* 22679* 22740* 31419* 40068* 42997* 48753* 84434*
chemistry 7100 48756 75546 75551 22679* 75553* 79577*
color 75564*
conferences and congresses 75570
costs and returns 15089* 76269* 94515*
determination 83640*
directories 31412
extraction 14491 31377 57392 84805 22679* 66123*
flavor and odor 48756 57384*
grading and standardization 48817* 93937*
industry 40034 22679* 31333* 75500* 75501*
irradiation 48756
Italy 75509 84776 84808*
Japan 7081
judging 57384*
keeping quality 7116*
plant sources 7035 48823 73079 17863* 19281* 22679* 45084* 45085* 70162* 75575* 75803* 83640* 84825* 84848*
British Commonwealth 57375
India 25991

Item

Essential oils--Cont
plant sources--cont
Pakistan 57379
Republic of South Africa 70116
USSR 43316
properties 31386 84841*
quality 31377
tests 22679* 84786*
trade 76569* 76570*
types 22679*
Estate planning SEE Inheritance
Esterase
in animal physiology 11230 36682 36683
in insect physiology 5259 12320 28896 29715 29716 29263*
in milk 3446 22031 83759
inhibitors 20565 20590 28896 74416
Esterase inhibition test 74416
Esters 89278 24905* 31383*
Estigmene acrea 28987 81415 81728
Estonskaya Sel'skokhozyaistvennaya Akademiya 45296 62512*
Estradiol 28517 46102 55067 81129
Estradiol benzoate 3545
Estrogens
cattle 19815
effects on animals 53954 71706 11176* 36225* 45184* 62480* 79659*
effects on cattle 54195 3248* 3481* 27618* 27711* 36592* 62676* 62679* 62696* 62807* 72092* 91015*
effects on dogs 27961
effects on goats 37201
effects on guinea pigs 54681
effects on mice 80696
effects on plants 16519*
effects on poultry 11885 11963 20132 20285 81572 54694* 80778*
effects on rabbits 37156
effects on rats 3801 36933 54677
effects on sheep 20408 28517 54905 54959 28436* 91593*
effects on turkeys 20286
horses 28113
in blood 11639
in feces 81128
in feed 39445 11199*
in urine 73006 27698* 45558*
plant sources 11856 16589 27247 51491 53954 54677 71706 79730 80969 45184* 72147* 79659* 79723* 79727* 79728*
residues 22606* 79912* 84908*
reviews 79912*
Estrone 80783 54869*
Estrus SEE UNDER Livestock, and names of animals
Eteoneus 29524
Eteophilus 38100*
Ethamoxytriphetol 36803
Ethanol SEE Alcohol
Ethanolamine SEE 2-Amino-ethanol
Ethanolysis SEE Alcoholysis
Ether SEE Ethyl ether
Ether test 57395*
Etherane-66 61003
Ethers 6459 13996 30938 45089
Ethidium 11336*

*Text of this reference is not in English.

Item

Ethion 65709 55165* 63731* 63894*
Ethiopiochamus n g 38088
Ethioterpia 38519*
Ethnobotany 76876* 76880*
  Hungary 25297*
  Japan 67341*
  Peru 32639*
  Portugal 49*
Ethodin SEE 6,9-Diamino-2-ethoxyacridine (lactate)
Etholén 41299*
Ethoxyquin 6412 30708 56819
Ethyl alcohol SEE Alcohol
Ethyl chloride 90639*
Ethyl N,N-Di-n-propyl-thiolcarbamate SEE EPTC
Ethyl ether 50424 54528 24613* 91247*
17-alpha-Ethyl-17-hydroxy-norandrostenone SEE 17-alpha-Ethyl-19-nortes-tosterone
Ethyl linolenate 75559
Ethyl methanesulfonate 50895*
17-alpha-Ethyl-19-nortestosterone 72704 72705
Ethyl phenyl carbamate 68297*
Ethyl sulfate 87680 68438*
Ethyl urethan SEE Urethan
Ethylamine 73680 79555 88057
Ethylene
  effects on plants 6699
  in fats and oils 75565*
  in fruit 22430 48430 48456 51286 84365*
  in fruit storage 22427
  in plants 16894 25014 60295 34302*
  reviews 77491
1,1-Ethylene-2,2'-bipyridylium dibromide SEE Diquat
Ethylene bisdithiocarbamate SEE Maneb
Ethylene chloride 73308*
Ethylene chlorohydrin 68592
Ethylene dibromide
  effects on poultry 72609
  fungicide 15981* 16078*
  nematocide 87113 603*
  storage pest control 48550 55526 55527 55546
1,1-Ethylene-2,2 dipyridily-lium dibromide SEE Diquat
Ethylene imine SEE Ethylenimine
Ethylene oxide 21220 40018 44981*
  bactericide 22122*
  effects on plants 7186
  effects on seeds 77511
  in food processing reviews 21876
Ethylene thiourea 39644
Ethylenediamine di-o-hydroxy-phenylacetate 16765 50951
Ethylenediamine tetraacetic acid
  effects on insects 38225 37927*
  effects on plants 16822 59868 77659*
  in dairy industry 56114 65518
  in fertilizer analysis 44513 89941 44513 89941
  in plants 55193
  in soil research 17885* 17959* 52494*
  in wine industry 83649
Ethylenediamine tetraacetic acid tetrasodium salt 9221 25158 38548 40172 87027
Ethylenethiuram monosulfide 8488

Item

Ethylenimine 50893 50898 33818* 64446* 87480*
Ethynyl estradiol 11883 80433
Etiella behrii 46426
Etiella zinckenella 12489* 13018* 13019* 46425*
Etrolene SEE Ronnel
Etruscomycin 28226* 91462*
Ettmulleria 73553
Euaesthetinae 12819 82283
Euaphidius 92557*
Euastrum 214
Eubadizon punctatus 47063*
Eublemma amabilis 46354
Eublemma ostrina 64656
Eucalyptus 35745 41437 15743*
  anatomy and physiology 1231 87771* 87772*
  Australia 109
  bark 51498
  bibliographies 50014 90129*
  biochemistry 51498
  California 32692
  conferences and congresses 53303
  control 18888
  culture 18767 26778 26803
  cytology 813* 59581*
  ecology 68400* 87201*
  fertilizers 35772*
  fungus diseases 24220* 24221*
  genetics 87408*
  germination 44811 79294*
  growth 61946
  hardiness 79368*
  hybrids 87408*
  industry 85118*
  introduction 10733 71220 90130*
  Italy 89499*
  mortality 44811 61980
  pest control 81868
  pests 73772 81899 82228 82564
  planting 10727 10739 71233 44840*
  pollination 55218
  Portugal 61731*
  propagation 53375*
  pulpwood 36064 79567 45074* 45075*
  reviews 58689*
  Sardinia 86516*
  seedlings 61946
  sites 10676 10739 35815
  soils 70378* 89552* 89555*
  varieties 90130*
  wood 10960 19180 26803 51498 62205 10560*
  reviews 53663
Eucalyptus acmenioides SEE Eucalyptus triantha
Eucalyptus botryoides 26928
Eucalyptus calophylla 71526
Eucalyptus camaldulensis
  anatomy and physiology 50931
  Australia 79111
  growth 18784*
  pests 20931
  seedlings 10719 10734
  wood 27045
Eucalyptus carnei 58645
Eucalyptus cinerea 79368*
Eucalyptus citriodora 19262
Eucalyptus clelandii 58645
Eucalyptus delegatensis SEE Eucalyptus gigantea
Eucalyptus dichromophloia 18922
Eucalyptus diversicolor 11102 71526 71583
Eucalyptus elaeophora 33558
Eucalyptus gigantea 27045

Item

Eucalyptus globoidea 79618
Eucalyptus globulus 1050 35733 44769*
Eucalyptus gomphocephala 10734
Eucalyptus goniocalyx 19317
Eucalyptus gunni 8133 79368*
Eucalyptus jutsonii 79111
Eucalyptus marginata 71526
Eucalyptus melliodora 670
Eucalyptus microcorys 71615
Eucalyptus multiflora 10993 16937
Eucalyptus obliqua 61772 61903 90344
Eucalyptus oil 31405
Eucalyptus pilularis 10972 26928
Eucalyptus populnea 18922 43000*
Eucalyptus regnans
  pulpwood 2932
  seedlings 26870
  wood 11102 71583 71615 62212*
Eucalyptus robusta SEE Eucalyptus multiflora
Eucalyptus rossi 670
Eucalyptus rostrata SEE Eucalyptus camaldulensis; Eucalyptus multiflora
Eucalyptus saligna 26928 79626*
Eucalyptus scabra 79618
Eucalyptus sideroxylon 69194
Eucalyptus tereticornis SEE Eucalyptus umbellata
Eucalyptus triantha 71615
Eucalyptus umbellata 90414 18784*
Eucalyptus wandoo 20931
Eucephalobus elongatus 16186*
Euceratocerus gibbifrons 64394
Eucerocoris (Ragwelellus) n sgen 64510
Euchalcidia 47083
Eucharis 29626
Eucharis grandiflora 43527*
Eucharitidae 21322 55873
Euchlaena 895 68511
Euchloe 64681
Euchloe cardamines 5551
Euchromatin SEE Chromatin
Euchromius 12991 38433 47130*
Eucleidae 5342*
Euclidiodes 29707*
Eucneidae 46859* 82239* 92391*
Eucoila 5067
Eucoilidae 12951*
Eucoilinae 29593*
Eucommia 44715* 61969* 90164*
Euconnus 29355*
Euconnus longulus group 5033*
Eucosmetus 73509
Eucosmidae 64613 13022* 82734*
Eucosmorpha albersana 5449
Eudemopsis n g 64611*
Euderia 12802
Eudia pavonia 46550*
Eudoria 5483
Eugaediopsis 38227
Eugamasus 12762
Eugenia 1691* 58671*
Eugenia heyneana 33717
Eugenia jambolana 12660
Eugenia maire 9237
Eugenol 9185 14485
Euglena 71799
  anatomy and physiology 42614 60115
  biochemistry 1384 42982 43049
  cytology 24576

Item

Euglena--Cont
  fungus diseases 67889*
  taxonomy 58759
Euglena gracilis 77518
  anatomy and physiology 1255 1284 33819 42302 60114 77568 77589 77612 77707 87888 16582* 42703*
  biochemistry 9246 16947 51550 77766
  cytology 42214
Euglena viridis 815
Euglenidae 58754* 59227*
Euglenineae 59497 67553*
Euglenophyta 87140*
Eugrapha SEE Cylindera (Eugrapha)
Euidella 38289*
Eukodal SEE Dihydrohydroxy-ycodeinone
Eulaelaps cricetuli 55675*
Eulecanium SEE Lecanium
Eulia dimorpha 55506*
Eulia pulchellana 37697* 82669*
Eulinognatus hypogeomydis 29806*
Eulitopus 92379*
Eulophia 24015
Eulophia alta 41497*
Eulophia nuda 60339
Eulophidae 5271 5292 38371 38384 47072 55886 73779 82636 37824* 47093*
Eulophiella 119
Eulophinae 47072
Eulophus 47072
Eumacepolus 38376
Eumaeus atala 82772
Eumecopus 21297
Eumecotarsus n g 92500*
Eumegacetes 13089
Eumenes 29623 29617*
Eumeninae 29585* 47064* 64537*
Eumenis semele 5429 82719
Eumerus strigatus 37761 63959* 64458*
Eumerus tuberculatus 37761
Eumetoecus n g 12930*
Eumetrioptera mistshenkoi 29750*
Eunidia 46815*-46817* 82225* 92347* 92378*
Euoenothera 50858
Euonthophagus SEE Onthophagus (Euonthophagus)
Euonymus 16664* 37757* 90247*
Eupachygaster 29443
Eupagiocerus 64396
Eupatorium odoratum 2307 44271*
Eupatorium rugosum 60305
Eupatorium urticaefolium SEE Eupatorium rugosum
Eupelmidae 47066*
Eupelmus urozonus 5272 37714*
Eupelopidae n n 29283
Eupethecia oxycedrata 5517
Euphidryas aurinia 64673
Euphorbia 23935*
  California 58624
  Malagasy Republic 86470*
  pollen 42275
  Republic of South Africa 8228
  taxonomy 50028 15783* 15795* 58667*
  USSR 15795*
Euphorbia cyparissias 41848 50067 17855*
Euphorbia dulcis 734*
Euphorbia esula 50067 52298
Euphorbia geniculata 77164
Euphorbia lathyris 31402* 88181*

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Item

Euphorbia lathyris seed oil 75536*
Euphorbia pulcherrima
anatomy and physiology 1251
9025 34039 77618*
bacterial diseases 50437
biochemistry 77798*
culture 17522 43492
89067 17489*
cytology 16280*
morphology 50726
pests 46604
Euphorbiaceae
Africa 58679*
cytology 734*
fungus diseases 24098
Nepal 41354*
taxonomy 32868 68350
Euphoria longan SEE Longan
Euphorinae 47114
Euphrasia 1307 67505
Euphydras editha 29659
Euphyia bilineata isolata 5447
Euphytica 58508
Eupista SEE Coleophora
Eupithecia 38490* 82766* 92616*
Eupithecia centaureata 5442
Eupithecia (Delaeveria) n sgen 92616*
Eupithecia innotata 5384
5417 29722
Eupithecia phoeniciata 5471
Eupithecia vulgata 38472
Euplassa cantareirae 86491*
Euplectalecia 46880*
Euplecterga SEE Oropodes (Euplecterga)
Euplectrus bicolor 47093*
Euplectus 82271 21087* 29368* 82218*
Euploea core 5504
Eupodalecia n g 46880*
Eupodidae 38026*
Eupolyphaga sinensis 37781*
Euproctis chrysorrhoea SEE Nygmia phaeorrhoea
Euproctis flava 73843*
Euproctis pseudoconspersa 47195* 73843*
Euproctis similis 5343 73843*
Euptychia mitchellii 29697
Eurhinocricus 4936
Eurhophaena n g 47130*
Eurhynchium zetterstedii 32881*
Eurois occulta 55972*
Europaische Blond-und Gelbviehzuchtervereinigung 54126*
European alder SEE Alnus glutinosa
European and Mediterranean Plant Protection Organization 24128 86645*
Working Party on Pesticide Residue Analysis 13438*
European ash SEE Fraxinus excelsior
European beech SEE Fagus sylvatica
European Brewery Convention 48503*
European chafer SEE Amphimallon majalis
European Coffee Bur 39149
European colloquium on black rust of cereals 77161*
European Commission for the Common Policy on the Fat Market 40075*
European Commission on Agriculture 76322
European Common Market 32415 67035 85982 85992 7858* 7865* 15350* 23605* 32352* 49577* 49623* 58267*

Item

European Common Market--Cont
66832* 67048* 67080* 75973* 76529* 85955* 85995*
and agriculture
California 67056 85382
Denmark 7509* 32382* 32383* 66547* 85381* 85425*
Europe 32381*
France 66571* 94293
Germany 49129 23193* 49227* 66572* 66581* 76009* 76013* 83432* 85418* 85573*
Great Britain 7518 7564 14905 31831 40481 94315 14933* 14934* 40508* 49150* 49180* 57822* 67039*
Ireland 31847 85444
Italy 14832* 31882* 76002*
Spain 49146* 66532* 85415* 85416*
Switzerland 76020*
United States 7510 57789 58247 66518 76515 85407 85461 85992 57899*
and apiculture 64118*
and apple industry 84170
and banana trade 67058
and banking 23009*
and brewing industry 21969*
and butter trade 86034*
and cheese trade 85993*
and citrus industry 39615
and citrus trade 67058
and coffee trade
Brazil 41035*
British Commonwealth 40958
Europe 7876*
France 6164* 7855*
Netherlands 7924*
and cooperatives 76464* 93082* 94736*
and cotton industry 48234
and dairy industry
Belgium 93256* 93277*
Germany 30467* 65367* 83725*
Great Britain 6185 30479
Norway 13681* 62017*
and dried fruit industry 14025
and drug industry 76551*
and egg industry 7177*
and fats and oils trade 7886
and feed industry 48122 74914*
and flour trade 94750 56334*
and forestry 26691* 44597* 61897* 62017* 89996* 90294* 90295*
and fruit industry 48302*
California 75082 93545
Denmark 76520*
Germany 39623* 65687*
Great Britain 6605 22286 23589
Italy 48309*
Netherlands 22345
and fruit trade
Australia 49647
British Commonwealth 23589
Great Britain 49647
Greece 67057
Italy 23604
Netherlands 7864
Norway 49592*
United States 67096
and grain industry 23627 75287* 84506* 84507*

Item

European Common Market--Cont
and hops trade 32350*
and horticulture 22287 14032*
and land use 85766*
and leather industry 6885
and livestock industry 14321* 23625* 54065*
and lumber industry 53499 53500 90294*
and marketing 13491* 65127*
and meat industry 84592*
and meat trade 76509*
and olive industry 75522*
and potato industry 84170 84144* 84179*
and poultry industry 41036 57447 58245 67033 67050 94797
Germany 7177*
Netherlands 57442*
and rabbit industry 84571*
and rice industry 67034 65851*
and rubber industry 94768
and seed industry 57460
and sugar industry 23599*
and swine industry 48594 48599 48604 84553
and tobacco industry 49610 76579 31617*
and tobacco trade 67040
and trade
Australia 67063
Denmark 67028
Germany 23624*
Great Britain 15388 67063 94754 32368*
India 23595
Luxembourg 32399*
New Zealand 67063 94780
Norway 67053*
United States 15369 32361 58250 58268 67031 67034 67056 67081 67092 76534 76548 76552 76579 85959 85969 85983 85998 85999 94749 94762 94782 49607*
and vegetable industry 6605 22286 22345 23589
and vegetable trade 7864 23589 23604 49592
and veterinary medicine 36311
and wool industry 30844*
legal aspects 85978*
European corn borer SEE Ostrinia nubilalis
European earwig SEE Forficula auricularia
European Euonymus SEE Euonymus europaeus
European foulbrood SEE Foulbrood, European
European Free Trade Association 7858* 15357* 23605* 23643* 32381* 67080* 85988*
and agriculture
Denmark 7509* 32383*
Germany 14682* 23193*
and cooperatives 76464*
and forestry 89996* 90294*
and potato industry 84144*
and pulp and paper industry 11033
bibliographies 15353*
European fruit lecanium SEE Lecanium corni
European hornbean SEE Carpinus betulus
European larch SEE Larix decidua
European Livestock Trade Union 23625*

Item

European mantis SEE Mantis religiosa
European mistletoe SEE Viscum album
European mountain ash SEE Sorbus aucuparia
European pine sawfly SEE Neodiprion sertifer
European pine shoot moth SEE Rhyacionia buoliana
European red mite SEE Panonychus ulmi
European spruce beetle SEE Dendroctonus micans
European spruce sawfly SEE Diprion hercyniae
European turkey oak SEE Quercus cerris
European white birch SEE Betula pendula
Eurosta solidaginis 55642
Eurostocurgus n g 82602
Eurotia lanata 1592
Eurycnema goliath 29759
Eurycoccus 21275
Eurycolpus 82566*
Eurycotis floridana 47209
Eurydema 47022*
Eurydema eckerleini 29540*
Eurygaster 5213
Eurygaster integriceps
control 29013* 63882* 63941* 73257* 81710*
food and host plants 73731
habits and behavior 28945
Lebanon 12491*
populations 55467*
Eurygaster minidoka 82505
Eurygaster paderewskii 82505
Eurymerus 82350*
Eurymerus (Tricheurymercus) n sgen 82350*
Euryops 86481
Euryops sparsiflorus 58685*
Euryplocia 92347*
Euryptera 5013
Eurytoma 64386*
Eurytoma amygdali 12967*
Eurytoma onobrychidis 29618*
Eurytoma pini 12950
Eurytoma rosae 37714*
Eurytoma schreineri 12967* 92157*
Eurytomidae 21324 92324
anatomy and physiology 47117
identification 29619 29618*
nomenclature 47073
taxonomy 5281 5282 12967*
Euscelinae 92496*
Euscelis lineolatus 38326*
Euscelis plebejus 38326*
Euschistus conspersus 20849
Euschistus servus 12940
Euschizaphis longicornis 5254
Euschongastia diversa 55691
Euschongastia longitarsala 73570
Euschongastia trigenuala 55691
Euscorpius carpathicus 82162* 82200*
Eusimulium 55801*
Eusimulium aureum group 12897*
Eusmittia n g 64419
Euspilapteryx pyrenaeella 73855
Eustroma 38490*
Eustrotia uncula 5411 5454
Eutamsia 38519*
Eutetranychus banksi 63979
Euthanasia 27959 11754*
Euthraulus balcanicus 47241*
Euthyplociidae 5592
Eutrichophoroides n g 5014
Eutrichopleurus 82271
Eutrombicula 29281

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Item

Eutrombicula (Squamicola) n sgen 29281
Euttetix tenellus 29025
Euxanthoides 5502
Euxoa segetum SEE Agrotis segetum
Euzophera fuliginosella 5452*
Euzophera perticella 37675
Evagora milleri SEE Recurvaria milleri
Evagora starki SEE Recurvaria starki
Evaporated Milk Association 65506
Evaporation 1924 9983 18418 33865 33964 43889 43906 44442 52393 52405 52454 61095 70207* 77552*
California 70203 71332
determination 2422 17926 35114 44453 52448 52449 70169 9979* 43886* 43887* 61075* 78290* 78292* 78298* 78305*
Italy 10368*
research
statistical methods 78292*
USSR 70186* 70197* 70218*
Western States 61045
Evaporimeters 52449 70169 70192* 70193* 78289* 78291*
Evapotranspiration SEE Water, consumptive use
Evergestis 47130*
Evergreens
culture 60765 60833*
ecology 68147
injuries 50234*
planting 69891*
propagation 9714 69844
varieties 52034 69834 69878
California 69876
Middle Western States 69875
Ohio 69804
Pacific Northwest 69853
Southern States 69829
Tropics 69876
Evernia 32990*
Evernia prunastri 58799
Evetria SEE Rhyacionia
Eviphididae 46783
Evippe 29704
Evodia rutaecarpa 77806*
Evolution SEE UNDER specific subjects
Evonymus SEE Euonymus
Evorinea n g 64326
Evreinov M G 15534*
Exanthema
citrus SEE Dieback, citrus
Exchange programs SEE International Farm Youth Exchange Program; International visits
Exchanges SEE UNDER specific subjects
Excreta
birds 93990
cattle 3337 3499 27864 36581 90759
insects 4890 37842 37985 55156 64646 12725* 37987* 38539* 82234*
mites 4938
poultry 11978 37050*
rabbits 90759
rats 90759
swine 37414
SEE ALSO Feces; Urine
Exechia 38243*
Exhaust fumes SEE Air pollution
Exhibits SEE Shows
Exidiopsis 58814

Item

Exobasidium vexans 24326 41870 67945
Exocentrus 46817* 82224* 82225*
Exocortis
citrus 59123 59126 59138 59165 59167 59175 59180 59153*
Exodrymadusa n g 21457
Exogonium purga 820
Exophthalmus 21154
Exophytocoris SEE Phytocoris (Exophytocoris)
Exoprosopa 73694
Exosporium 58775
Exoteleia dodecella 5302*
Expenditures SEE UNDER Families; Farmers
Experiment stations 7800 8097 22978 25264 49894 69285
Aden Protectorate 69462
Africa 17113
Australia 23848 88824
Brazil 1977*
British Guiana 88732 88733
British West Indies 17113 17115
California 61572
directories 76805
Great Britain 8091 17594 51871 51872 51874 69687 78020
Hawaii 25515 34555
history 86263
Italy 53110*
Japan 23835*
Kenya 17110 69463
Latvia 9443*
legislation 76066
Louisiana 71029
Minnesota 2551
New Jersey 58472
New Zealand 79981
Nigeria 17111
North Carolina 2555
Ohio 2554
Philippines 77858
Poland 23361*
Rhodesia and Nyasaland 17112
Rumania 88969*
Sudan 77909
Surinam 32610*
Tanganyika 17114 61026
Trinidad 43325
Uganda 77910
USSR 23839 1867* 15611* 25797* 34464* 43374* 46302* 58883* 60393* 60635* 60644* 62263* 69295* 69710* 76794* 88820* 88853* 88875*
West Africa 60454
SEE ALSO names of experiment stations
Experimental farms
Australia 23253
Belgium 85547*
Canada 31921 31922 31924 32198
France 57927*
Germany 2005* 40624* 76105* 79633*
East Germany 40587*
Great Britain 3223 3224 5858 23296 36370 51873 57923 94384-94387 94459
Mozambique 40605*
Netherlands 23292* 40623*
Republic of South Africa 67287
Scotland 15045
Sweden 15040*
USSR 15026* 15041* 47525* 57951* 63557* 76078* 76153* 90851* 94398*

Item

Experimental forests
Czechoslovakia 53270*
Florida 71323
Hungary 89987*
Louisiana 71029
Minnesota 71134
Norway 90311*
Ohio 26737 79124
Pennsylvania 18859
Explosives 44949* 53317* 53461* 61986* 79253* 79257* 83124* 90314*
SEE ALSO names of explosives
Exports SEE TRADE; and SUBHEAD trade UNDER specific subjects
Extatosoma 12351
Extatosoma tiaratum 56003
Extension work 23475 23507 32154 32203 32222 40534 56596 58139 79976 23463* 49459* 49513* 58186* 78734* 94672*
Alaska 58132
Argentina 41225* 94382*
as an occupation 23482 23488 49094 76407 94655 40801* 85828*
Australia 15607 49448 94705
Austria 40836 15237* 85845* 85866* 90795*
Brazil 15182 32228 49461* 85825*
California 15200 93268
Canada 23480 23484 85878
Colombia 23470*
conferences and congresses 85853
Czechoslovakia 86272*
Denmark 7786*
developing areas 66950 40856* 94677*
directories 40851
Europe 23492 23502
Florida 60751
France 32164* 32275* 58170*
Germany 49421 7763* 12047* 13152* 14716* 15034* 15206* 15264* 40624* 40866* 49466* 66817* 66929* 66960* 85889* 94704*
Great Britain 7777 7797 15180 40807 85184 86254 7786* 86669*
history 23471 40884 85831 85834 32168*
home demonstrations 7748 7758 7772 23483 23498 23512 49508 58157 58189 94650
Austria 85866*
Canada 66949
conferences and congresses 85853
Costa Rica 85832*
directories 76034
Europe 49505
Germany 15296* 40816* 40839* 85868* 94211* 94683*
New Jersey 58152
Nicaragua 85836*
North Carolina 49491
Paraguay 49499*
Portugal 49445
Spain 40861
Texas 47568
West Virginia 66969
Illinois 15196
India
reviews 15184*
Indiana 15224
Iowa 94641
Israel 57970 85886

Item

Extension work--Cont
Italy 23465 7757*
Japan 73499
Louisiana 49481
Maine 58169
Massachusetts 13692 76382
materials and methods 10258 13699 23474 31853 35580 40831 40863 49462 49512 58128 58149 58167 65378 66912 76384 76392 76395 76399 76405 76415 76418 94469 94698 58136* 76401*
Alabama 66904
Arkansas 14890
Florida 8331
France 32177*
Germany 40816* 94666*
Great Britain 49475 85885
Greece 23478
Netherlands 94648*
New York 32196
Republic of South Africa 40857
South Carolina 14687
Washington 85901
Mediterranean area 23499
Mexico 7781* 49484* 57538*
Mississippi 15242
Missouri 15205
Netherlands 23504 15222* 15256* 15283* 40719* 40956* 54839* 54851* 76408* 76419* 94403* 94643* 94645* 94652* 94669* 94671*
Nevada 94647
New York 32166 32167
New Zealand 58184
Nigeria 9932
North America 23502
Northern Ireland 7806
Norway 23501*
Ohio 23513
Oregon 66899
Pacific area 76429
Papua and New Guinea 15198 85843
Peru 22553*
programs 7758 7760 11196 11572 14003 14370 14526 21819 23454 23487 23500 26140 30185 31106 31208 31936 31968 31996 32151 32155 32171 32175 32212 32213 32223 38943 38950 40813 40926 41084 41089 41093 41095 41108 41130 41134 56374 57764 57768 58129 58137 58144 58149 58150 58190 58324 63898 65586 66903 66921 66972 85895 85896 23469* 23476*
Alabama 9434
Algeria 85838*
Arkansas 23485 58162
Austria 85890*
British Honduras 23457*
California 32169
Canada 23565
Denmark 23503
Georgia 15192
Germany 15296* 94670* 94683*
Illinois 58136
Indiana 66925
Latin America 49497*
Maryland 58160
Netherlands 94646*
New Mexico 14337

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Item

Extension work--Cont
programs--cont
North Carolina 58130
Oklahoma 58179
Texas 15233 15288 66943
Vermont 66600
Virginia 66936
Wisconsin 40838
public relations 23519 40826 49487
Puerto Rico 85873
situation and outlook 7805 15289 23486 32178 49472 76427 15256*
South Carolina 58187
Spain 15278*
study and teaching 7793 23505 40873 66916
Sweden 57924* 76425*
Switzerland 15287* 37401*
Tennessee 17276 32160
Venezuela 90804* 94681*
Washington 40883
SEE ALSO SUBHEADS advisory services; study and teaching UNDER specific subjects
Extension workers 40855
associations 85831
attitudes 76205
education and training 8103 23467 32161 32207 40808 76383 76387 76394 76396- 76398 76405 76406 76409 76433 76436 85829 40844*
Austria 15237*
Costa Rica 85832*
Illinois 40800
India 76428 94659
Netherlands 85827* 85855* 94644*
Republic of South Africa 40857
Spain 23521
Texas 66931 66932
Louisiana 85826
Michigan 23442
Nebraska 23493
Texas 29820
SEE ALSO County agents
Extensometers 84021 14280* 71607*
Exudative diathesis 72642 80855* 91532*
Eye flukes 80812
Eye-spotted bud moth SEE Spilonota ocellana
Eyelids 3648 91737 80580*
Eyes
arachnids 21078 55665 55683 21054*
cats 55499 28058* 36788* 80538*
cattle 19921 62724 11619* 80423*
dogs 54513 72318 91208 28037* 72312* 80538*
diseases 27998 72297 80527 91237 3681* 28058* 36788* 45822*
horses 80652 45822*
insects 5002 5090 5586 21192 21264 29479 38211 47126 55612 55798 64408 64441 73625 73641 73726 82494 82700 92523 92535 5165* 5177* 12878* 29412* 29432* 29573* 38281* 47129* 55871*
livestock 3176 3185 71798 79787 79814 3196*
poultry 3932 80423* 80794*

Item

Eyes--Cont
poultry--cont
diseases 37076 20200* 20274*
rats 91341*
sheep 46101*
Eyespot
bananas 67869
sugarcane 50367
Eyeworms 63163 54257* 62875* 62929* 71780* 73180* 90961*
Eylais infundibulifera meridionalis 82120*
Eyprepocnemis roseus 38537
Eysarcoris fabricii 5240

Fables D 15539
Fabraea maculata SEE Entomosporium maculatum
Fabria complicata 13099
Fabrics SEE Textiles
Face 71764*
Face flies SEE Musca autumnalis
Facial eczema 28492 37268 54927 54962 63468 63480 72836 81046 91710
cattle 72879
causes 72861 72878 72879 91677
control 91731
vaccines 91731
Fagaceae 41284*
Fagales 90477*
Fagara SEE Zanthoxylum
Fagonia cretica 59533
Fagus
anatomy and physiology 24855*
bark 45048*
breeding 44807* 53359*
clear cutting 2641*
coppice 26785* 35923*
culture
Bulgaria 35667*
Europe 71123*
Rumania 10703* 71211*
Switzerland 90125*
USSR 61810*
Yugoslavia 71109*
diseases 55587* 79375*
ecology 647* 50573* 59254* 77347* 87222* 90125*
fertilizers 71148*
France 49989*
fungus diseases 16088*
genetics 44819*
Great Britain 71185
growth 90255*
harvesting 10899* 27006* 35923*
history 79375*
Hungary 71247*
injuries 53440* 79375* 90255* 90264*
labor 62034*
litter 44746*
measurement 35713 2619* 18791* 35700* 44680*
mortality 44864*
pests 55587*
planting 79359 90180*
pulpwood 45048* 45054* 62160* 90417*
Rumania 10786*
salvage cutting 44716*
seedlings 18983*
seeds 18989* 44809* 53383* 71235* 79359 71089*
sites 2724* 18983* 44746* 67626* 71082*

Item

Fagus--Cont
taxonomy 49989*
thinning 71160* 90151*
varieties 60856
wood 10929 35949 35985 2894* 11107* 11130* 19162* 27058* 27059* 27061* 27089* 27194* 35713* 35896* 35964* 35967* 36002* 36123* 44977* 45007* 45152* 53440* 62088* 62137* 62153* 71405* 71418* 71433* 71472* 71501* 79479* 90151* 90467* 90470*
yields 26785* 71014* 71089* 71160*
Fagus crenata SEE Fagus sieboldi
Fagus grandifolia 8703 35740 73389
Fagus orientalis 45142* 79483* 90465*
Fagus sieboldi 2851 2846* 53734* 62191*
Fagus sylvatica 79192
anatomy and physiology 42524* 87527*
bark 53719*
culture 53268* 71142*
ecology 16231 50585* 87169*
growth 71118* 71142* 79148*
measurement 18801* 71037* 79148*
Scotland 35736
seeds 26863
shading 53268*
thinning 71037* 71142*
wood 10893 11108* 18801* 19325* 53575* 62236*
yields 71037*
Fagus taurica 104*
Fahey-Crawley virus 80864*
Fahrenholzia 82880
Fahrenholzia texana 5650
Fair Labor Standards Act 53101 53701 56495
Fairchild Tropical Garden SEE Coconut Grove Fairchild Tropical Garden
Fairs 7875 85881
Canada 76423
directories 15197* 32209* 40835*
Europe 58277
Germany 76125* 85898*
East Germany 85830*
Italy 31346*
Minnesota 66918
Spain 48273
Sweden 66920*
Fairy rings 33248 59325*
Falcula 32937*
Falenki Selektsionno-Opytnaya Stantsiya 15611*
Falkonemadus n g 5043*
Fallbrook Citrus Association 14085
Fallout SEE Radioactive contamination
Falone 30134
False smut
rice 77124*
Falshomelix n g 92351*
Falsimalmus n g 92351*
Falsocosmonota n g 64346*
Falsohippopsicon 92347*
Falsomesosella 92347*
Falsoropica 82225*
Falsotmesisternus n g 46816*
Families 32189 32260 32281 32304 32306 32308
budgets 22984
France 57666*

Item

Families--Cont
budgets--cont
India 40295
Japan 66388*
Michigan 57649
Puerto Rico 40285
Sweden 7574*
expenditures 32345 56369 57649 58241 58446 94159
France 58117*
Germany 15170*
government aid 23048* 23481* 32195* 40845* 40853*
Ireland 76199
Mississippi 85806
Netherlands 49422* 58333*
relationships 7839 15343 32341 40777 49571 57733 76360 58116*
size 67123*
Wisconsin 58127
Family Forest Program 90066
Famine 49198 66597
Fanleaf
grapes 8588 33380 8583* 59120* 67990*
Fannia canicularis 73671
Fannia gotlandica 38155
Fannia scalaris 82389*
Fans SEE Electric fans
Far East Agricultural Credit Workshop 85214
Far East Food and Agriculture Officers' Conference 23155
Farinosae 50039*
Farm and Home Management Program (New York) 32166 32167
Farm and home planning 7583
Indiana 66644 66686
Missouri 94379
Puerto Rico 40285
Washington 76204 76205 85901
Wisconsin 31962
Farm Equipment Institute 35560
Farm fishponds 2170 18249 34982 41112 86103 86128 94832
Georgia 43820
Hungary 49767*
Iowa 23732
North Carolina 64750
USSR 41121* 91588* 94842* 94851*
Farm forestry SEE Farm woodlands
Farm Foundation 7346 85149
Farm groups SEE Communities, group activities; Organizations; and names of organizations
Farm Improvement Scheme (Gt Brit) 49324 85594
Farm labor SEE Labor
Farm Policy Review Conference 56449
Farm shops 56214
Australia 64918
equipment 5797 47449 47452 47453 74169* 74172* 74173*
Germany 29983*
East Germany 38732* 38742*
Great Britain 64923
Netherlands 64919*
Poland 92676*
study and teaching 21650 74168 92906
Wisconsin 21653
Farm woodlands 18773 35692 61768
Austria 53215 90074*

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Item

Farm woodlands--Cont
costs and returns 26760 90076 90079 10626*
Germany 44656* 62113* 85699*
Great Britain 18243
India 18767 53475
management 18770 26762 35694 53214 53218 61769 71032 71036 90075
Austria 26759*
Finland 53213* 61767*
Germany 18771* 71034*
Great Britain 26758
Mississippi 10627
Montana 18770
New York 19036 35690
New Zealand 90076 90077 90078
Norway 10626*
Ohio 18769
Sweden 35691* 53212* 53217*
USSR 18772* 18768* 26815* 44659* 61766*
Utah 53216
Yugoslavia 26761*
mechanization 10625 44658*
Mississippi 71162
Northeastern States 53654
Northern Ireland 44660
Oregon 53392
planting 35693 53210
policies and programs 44657 79143
recreational use 90079
Southern States 53211
Switzerland 71033*
Farmer-Labor-Consumer Institute 23197
Farmers 57821 76404
age 85798 85805 14728* 57980*
China 57821
economic and social status 7369 15209 15294 35580 57680 75825 15003*
Belgium 76179*
Europe 23492
Finland 94502*
Germany 40274*
Great Plains 31693
India 31683 7493*
Kentucky 15347 22979
Mexico 31665*
Nebraska 94156
Nepal 22953
North Carolina 57711
Ohio 14727 57624
Oklahoma 22958
Spain 31734*
USSR 75829*
Washington 76204
education and training 23464 57937 58141*
Canada 85878
Czechoslovakia 85884*
France 49492 40804*
Germany 15189* 76424*
East Germany 40868* 76414* 94654*
Iceland 23462*
India 32204 85857 85871
Italy 40822* 85842*
Michigan 49485
Missouri 23515
Philippines 76393
Rumania 76390*
Spain 49464*
Wisconsin 21653
expenditures 40293 93193
Denmark 65130*
Great Britain 18606
India 30153 57648 66374

Item

Farmers--Cont
expenditures--cont
Iowa 75864
Middle Western States 66383
occupational diseases 7782 7792 12143 36721* 79826*
political influence 15294 57747 85891 85909*
purchasing power 40296 49015 49016 66383 66392 75862
Canada 75854
Iowa 75864
Michigan 22994
USSR 57821
SEE ALSO Peasants
Farmers Educational and Co-operative Union of America SEE National Farmers Union
Farmers Elevator Association of Minnesota 14235 84437
Farmers Grain Dealers Association of Iowa 6765 75290
Farmers Union
Central Exchange 32280 85929
Grain Terminal Association 57144
Jobbing Association (Cooperative) 30170
Farmers' Week (Michigan) 49485
Farmers year 7582* 49278*
Farms and farming 66681
appraisal 7612 7724 15157 66865 85788
as an occupation 7603 7836 31910 94653*
Alps 7342
Belgium 94119*
Canada 40567 76088* 76089*
Germany 49249*
India 57880
Indiana 66686
contract 7135 22596 22757 39883 40108 40120 14042* 40620* 48597* 76118*
Canada 14201
Georgia 66020
Netherlands 85498*
Oregon 7584
Poland 31928* 48394*
Puerto Rico 48924
Switzerland 23301*
SEE ALSO Vertical integration
cooperative 31934 31946 31964 31981 31990 31998 85925* 94446*
developing areas 7639
France 85565*
Germany 49249*
East Germany 27811*
Hungary 94932*
India 31913 31997 32003 32005 49225 66674 85524 85541 85571 94402
Italy 76192* 85480*
Japan 49230*
Korea 85608*
Netherlands 31926*
Sweden 85563*
Tanganyika 40618
Tunisia 85618*
United Arab Republic 31984*
costs and returns 7585 13473 23323 23336 32032 32033 32042 32049 38957 40743 57925 57947 58009 58041 58046 58087

Item

Farms and farming--Cont
costs and returns--cont
70731 76097 76203 83520 85625 89875 94481 94485 94570 18607* 94451*
Angola 76165*
Argentina 15068* 40755* 49336* 94382* 94476*
Arkansas 7652 49285
Australia 7669
Austria 40672* 94511*
Belgium 13521* 15066* 66767*
Brazil 94483*
California 76096
Canada 31923 58000 94513
Corn Belt 94519
Czechoslovakia 32016* 66425*
Denmark 23349* 40660* 40674* 40677* 40684* 57971* 66763* 94350* 94521*
Europe 15077
Finland 94498* 94502*
Florida 32061
Georgia 32064 58025
Germany 7664* 15070* 15107* 15115* 57856* 58032* 65192* 66649* 89846*
Great Britain 7666 15081 15086 23266 23328 23354 23356 49324 57999 58033 66742 66744 74503 76240—76243 76261 76277 85244 85626 94362 85582*
Hungary 15060*
Illinois 40663 66746
India 23339 35532 40682 76275
Indiana 23332—23334 23357—23359 23362 23363 23364 23368 23369 23370 23371 66686
Iowa 94503
Japan 23346 23347 44388* 76260*
Kansas 66749
Kentucky 40616
Kenya 76271
Louisiana 49285 76249
Michigan 7683 23335 49297 49298 49309 49310 49311 49319 49322 49326 49327 66768 76267
Minnesota 32050 32051 32052 32063 49318 57919
Mississippi 49285
Missouri 57978
Montana 66766
Netherlands 40673 94501 15067* 32036* 40656—40658* 66737* 85636* 93118* 94394* 94482*
New Jersey 94160 94491 94494
New York 40648 40650 40651 40670 40687 40688 49302—49307 49312 49314 49315 49340 49341 58005 58006 58042 58043
New Zealand 94445
North Dakota 23341
Northern Ireland 49291 85643 85644
Norway 58010*
Ohio 94390 94487
Oklahoma 15080

Item

Farms and farming--Cont
costs and returns--cont
Oregon 85543
Poland 7677* 15073* 15084* 15093* 94510*
Rhodesia and Nyasaland 23344
Scotland 76255 85638
South Carolina 85551
Southern States 31992
Spain 14958* 40145*
Sweden 23376* 40664* 49237* 58012* 85621* 85622* 94478* 94500* 94508*
Switzerland 66759* 94470*
USSR 7427* 32030* 94509* 94517*
USSR bloc 31660*
Uruguay 40662*
Utah 15027
Wyoming 85656
family 49143 58058 76154 76173 85518 76183*
Alabama 66785
Belgium 65671*
Canada 23028 40543*
Denmark 40538* 49212* 49223*
Europe 32001* 66685* 76160*
France 66666* 75933*
Germany 13119* 14986* 14994* 15019* 15046* 31765* 38604* 40546* 40577* 40608* 40947* 49098* 57771* 76115*
East Germany 66643*
India 57737
Israel 94410*
Italy 51875* 94240*
Japan 57989*
Louisiana 76149
Michigan 85165
Netherlands 94360*
policies and programs 76126
Switzerland 93774*
father and son 32014
France 66875*
Germany 94414*
East Germany 14974*
Great Britain 23281
Hungary 49273*
incorporated 23384 32086 58058 85698
Alabama 66785
Michigan 85165
Oregon 7597
Sweden 40699*
inheritance 76310
Europe 32091* 32093*
France 66788* 85722*
Germany 15189* 40311* 49370* 76305* 94561*
Illinois 40715
institutional 40616 94393*
Iowa 31960
large-scale 74248 76173
Africa 7452 14808*
Canada 23021
Congo 94375*
Germany 75931*
Great Britain 15103 85601
history 66660*
Hungary 76102 1437* 5713* 32018*
India 23272 85555
Indiana 23332 23357 23362
Indonesia 66696*
Louisiana 76149
Mexico 23142
New York 23260
Sweden 85622*
USSR 47267* 67243*

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Item

Farms and farming--Cont
layouts 64755 13111*
Germany 13108* 73922* 73925* 73927*
Hungary 47266*
Japan 82926*
legal aspects 57958
Germany 76221*
Illinois 40715
Italy 49260*
Oregon 38600 40344
management 7585 7589 7642 13260 14976 23270 31380 31933 31942 31944 31966 31973 31980 31988 32002 32012 32021 40541 40575 57925 57935 57936 57938 57969 57976 57995 66406 66619 66629 66730 75882 76087 76143 76314 85519 85557 85587 94366 7605* 31999* 40545* 49278* 57732* 57920* 66559* 66701* 76181* 85586* 85604* 94388*
Alabama 31912
as an occupation 7612 7636 66630 66680 66703
associations 40607 85494 7617*
Angola 14962* 76165*
Argentina 94382*
Arkansas 7611 49424
associations 85474*
Australia 14966 14999 49228
Austria 15056* 94370*
Belgium 31974* 31975* 94221*
Brazil 76083*
Bulgaria 31937*
California 7649
Canada 23251 23291 23298 23300 23315 31923 58000 76186 85533
Colombia 23310 85499*
conferences and congresses 94389*
Czechoslovakia 40565* 66656* 66709* 70930* 85526*
Denmark 7648 7577* 57971* 76148* 85558* 94350* 94416* 94429*
developing areas 40609
Estonia 66691*
Europe 15077 76158 32001*
finance 23323 31741 57645 57646 57651 57658 76097 85184 85601 40297* 49018* 57647* 75857*
Germany
East Germany 57659*
Great Britain 31697 66382
Hungary 94170*
Illinois 22981
India 32003
Netherlands 22991*
North Central States 23061
Oregon 66395
Rumania 40292*
study and teaching 94670*
Sweden 49014*
Tennessee 85236
USSR 7374*
France 14953* 14964* 49271* 57980* 94406*
Georgia 85583

Item

Farms and farming--Cont
management--cont
Germany 7417* 7604* 13133* 14979* 14986* 23304* 40546* 40577* 40586* 40595* 40613* 40614* 40632* 49227* 49241* 49244* 49252* 49265* 57941* 57965* 66648* 66649* 66658* 74454* 76091* 76106* 76113* 76124* 76125* 76182* 76424* 85528* 85573* 94414*
East Germany 40588* 57959* 66628* 66661* 66721* 76188* 94378* 94430* 94458*
Great Britain 1620 7599 7638 15025 23266 31954 31978 40539 40552 40591 66710 66716 76133 85521 85522 85550 85589 94341 94362 94383
Guatemala 94456*
history 40571
Hungary 24129*
Illinois 40319 66646
India 7632 31991 49242 57964 58077 85555 94355 94368 94369 94380 94397 94402 94411 94437 94439—94441
Indiana 85593
Ireland 76199
Israel 14955 57970 94410*
Italy 49063* 57922* 66622*
Japan 14982 23271 85535 40581* 40593* 49248* 57933* 66698* 76167* 76170* 76213*
Kansas 23262 40268 66640 66749
Kentucky 40616
Kenya 57949
Korea 85497*
Louisiana 40629 57912 57987 85578 85580
Malagasy Republic 49262*
Michigan 32023 76155
Middle Western States 57934 57937 57939 57954 57961 76201
Minnesota 49318 57919 66707
Mississippi 85539
mountain areas 7617* 57903* 94363*
Nebraska 7622
Netherlands 15061 66884 94360 38607* 40579* 49254* 57926* 57930* 66664* 76174* 94444*
New York 49221 49314 76162
New Zealand 7588 57913 57967 76157 85596 88536 94417 94445
Northern Ireland 14998
Norway 7587* 23501* 31750* 40596* 40634* 49214* 57932* 57957* 94347* 94381* 94426*
Ohio 7644 7675 32013 94390
Oklahoma 15080
Oregon 7597 40564 85543
Pennsylvania 14965 57928

Item

Farms and farming--Cont
management--cont
Poland 14975* 14990* 66623* 94364* 94460*
Portugal 15000*
Republic of South Africa 32020 49272 85603
research
statistical methods 14977 14983 14984
Rhodesia and Nyasaland 85506
Rumania 49258*
Scotland 7628 85529
South Carolina 85551
study and teaching 7580 7590 31918 31936 31968 31996 49222
France 23275*
Germany 57952*
East Germany 85486*
Great Britain 49475 76100
Indiana 40601
Israel 85886*
Kentucky 31925
Netherlands 85605* 94420*
North Central States 49250
Pennsylvania 49279
Philippines 94433
Poland 14670*
Sweden 32028 31977* 49237* 76119*
Switzerland 29873* 40585* 76193* 94359*
Taiwan 40578*
Texas 32011 85505
USSR 7616* 7623* 15007* 15017* 15088* 29866* 40556* 49280* 57943* 66653* 76139* 85568* 92730* 94399* 94451*
Utah 15027
Virginia 57914
West Africa 94422
Wisconsin 23241 31938 31962
marginal 56843 66645 94450
medium-sized 23333 23358 23363 75433*
methods 14666 31708 31920 31989 47766 57651 57660 93966 76114* 94412* 94428*
acceptance 7238 7837 15344 15345 23581 67022 67025 94737 94738 94740 94741
Canada 67026
India 85951 85952
Illinois 44145
India 21760 49570
Kentucky 58237
Lebanon 7840
Mississippi 7842
Ohio 26327 94742
Pennsylvania 49229
Puerto Rico 40285
Wisconsin 31962
Africa 76129*
Canada 40542 66667
Czechoslovakia 76172*
developing areas 76123
France 49233* 94353* 94373* 94421*
Germany 40569*
East Germany 76172*
Great Britain 15167
Hungary 67261*
India 40580 85514 85857
Indiana 66925
Italy 32008*

Item

Farms and farming--Cont
methods--cont
Kenya 94407
Missouri 49474
New Zealand 73934
Portugal 40612*
Spain 76057*
USSR 40590* 49264*
Michigan 49220
mountain areas 23244 11407* 64775* 70862* 85480* 94538*
Netherlands 65271*
Norway 7581*
number 57947 85717 85729*
Canada 23399
Germany 85699*
Iowa 31960
Italy 85459*
Japan 85695*
Louisiana 85689
Maine 32094
USSR 14988* 40553*
partnerships 23290* 76221*
Poland 29855*
policies and programs 7767 40520 49283
Germany
East Germany 66628* 85484*
Great Britain 40583
India 94440
Netherlands 76218*
productive capacity 13569 14990*
Australia 49234
Canada 94513
Czechoslovakia 66845*
Germany 15046*
Indiana 40601
Israel 23268
Japan 57989*
Netherlands 66664*
Poland 14975* 49247* 94364*
Rhodesia and Nyasaland 23344
USSR 66652*
purchase and sale 40763 76348 66866 94545 94606 14739*
records 6428 15055 49286 66730 85239
bibliographies 66726
Denmark 7648 23349* 66763* 94429* 94521*
Great Britain 71877
Louisiana 85614 85615
Netherlands 15061
New Zealand 57967
Norway 40596*
Sweden 32028 23376*
USSR 7444* 15058* 40639*
Washington 32024 32025
Wisconsin 15062
Saudi Arabia 76103*
size 15138 23408 31942 31955 31992 32015 57621 57947 58041 76173 76203 76297 85625 85717 15129* 66559* 85729* 94406*
Argentina 47830*
Arkansas 76135
Australia 14999
Austria 66642*
California 76096
Cameroun 85713*
Canada 23399
developing areas 40609
Finland 57906*
France 40381* 57980* 76163* 94357*
Georgia 57904

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Item

Farms and farming--Cont
size--cont
Germany 7637* 13135* 14994* 15115* 23410* 49235* 49245* 49359* 49364* 49372* 76307* 85699*
East Germany 49219* 49226*
Ghana 85530
Great Britain 58061
Hungary 49323*
Illinois 14969 66096 94396 94401
India 49316 94558
Indiana 23331
Iowa 21534 31960 94503 94545
Ireland 85688
Italy 49063* 76002* 85459*
Louisiana 32034 32035 85689
Maine 32094
Mississippi 74240
Netherlands 49382 23389* 66664* 94360* 94536*
New England States 66621
Norway 15038*
Philippines 23400
Puerto Rico 48924
Republic of South Africa 49272
Rhodesia and Nyasaland 23344
Rumania 57905*
Southern States 94356
Spain 14958*
Sweden 31977* 57973*
USSR 7620* 7630* 14988* 15011* 15022* 15032* 31939* 40553* 40619* 40631* 48906* 57956* 66617* 66657* 66693* 85319* 85495* 85597* 94349* 94425*
Venezuela 2372*
small-scale 66559* 75433*
Angola 76165*
Belgium 76131* 76179*
California 66404
Canada 23316
Finland 7591 94502*
Germany 14783* 14960* 75950*
Great Britain 15103 23235 40583 66687 76208
India 16986 57964 85555
Indiana 23334 23359 23364
Ireland 85561
Italy 11418* 14959* 54093* 58055* 76101*
Louisiana 40629
Luxembourg 76120*
Mexico 40622*
Netherlands 40574* 76216*
Poland 15049* 66442* 66470*
Sweden 85536*
Vermont 32101
Southern States 31992
subsistence 49268*
supplies 7351 32333 94854 23709* 94858*
Australia 86114
conferences and congresses 67144
Germany 32496*
East Germany 82949*
India 2873
marketing 23711 32279 32320 32324 67158 85939 93472
Ohio 94390

Item

Farms and farming--Cont
supplies--cont
taxation 23058
USSR 19191* 64759*
surveys 40662*
tenancy 94354
Germany 58066* 85548* 85709*
Great Britain 22985 85550 85594
Hungary 94556*
Illinois 66684
India 94540 94551
Indiana 40601 85593
Iowa 23386
Ireland 85700
Kansas 94544
legal aspects 57697* 58065* 76293* 85508*
Louisiana 85689
North Carolina 32089
Philippines 21556
Scotland 49270 94434
Virginia 23388 49362
transfer 32107* 49382* 58071*
types 7600 76154
Australia 57873 76191
Austria 66642*
Congo 18094*
France 76150*
Germany 13582* 14750* 32106* 40608* 47559* 49235* 49372*
Great Britain 76261
Illinois 13907
Indiana 23368
Italy 7635* 76189*
Michigan 14850 49220 66768
Netherlands 15044*
New England States 66621
New Zealand 58123 76142
Norway 49214*
Oregon 66395
Pacific Northwest 85489
Poland 85546 7643*
Rhodesia and Nyasaland 78918 85481 85507 85560 85574 85575 85773 85816 87159 88708
Sardinia 85475*
Sweden 85219*
Uganda 57960
USSR 85556* 85567* 94449*
SEE ALSO Agriculture; Collective farming; Conservation farming; Corporation farming; Demonstration farms; Diversified farming; Dry farming; Experimental farms; Grassland farming; Part-time farming; Share farming; Specialized farming; State farms; Tree farms; Truck farms; and SUBHEADS farming; farms; farms and ranches; orchards; plantations; vineyards UNDER specific subjects
Faronus 82218*
Fasciation SEE SUBHEAD abnormalities UNDER Plants and names of plants
Fasciatobacchisa SEE Bacchisa (Fasciatobacchisa)
Fasciola gigantica 45271 53877 53879 90963
Fasciola hepatica 11290 27377 27855 54286 62362 63458 27321* 27468* 27792* 27817* 36949* 45367* 62791* 80434*

Item

Fascioliasis SEE Liver flukes
Fascioloidiasis SEE Large American flukes
Fat body 5144 5364 21466 47223 20937* 20992* 21103* 29323* 29764* 37924* 46771* 55841* 64725*
Fatigue 45983 63262 71716*
Fats and oils 14448 48780 14356* 22701* 60599*
acids 57292*
analysis and composition 7040 7067 7097 22026 22661 22701 22712 22739 31247 31368 48509 48633 48785 48795 48805 57322 57326 57364 66125 74710 75528 75531 75541 75547 83326 84770 84773 93903 6198* 7032* 7061* 7063* 7065* 7075* 14447* 14472* 14474* 14487* 22729* 31342* 31348* 31354* 31370* 31387* 31400* 31401* 31403* 40052* 48770* 48796* 48799* 48807* 48816* 48820* 57337* 57351* 57357* 57365* 57395* 57401* 66118* 66119* 66132* 66139* 66140* 75406* 75507* 75514* 75560* 75565* 75574* 75579* 75580* 75600* 84780* 84789* 84802* 84804* 84806* 84832* 84858* 93911* 93915*
reviews 22681 40052*
associations 40044 66120 75505 14475*
bleaching 7112*
bottling 93912*
chemistry 7041 7060 14451 31339 48755 48768 66122 75598 93930 7064* 21792* 22704* 31379* 31381* 31383* 40043* 40067* 40070* 48736* 48776* 48787* 48821* 75514* 75572* 75604* 84822* 84851*
coloring 6029
conferences and congresses 7024 7113 48793*
consumption 22708 57361 66099 75550 93917 47958*
containers 48743* 57328*
contamination 31247 31368 66125
determination 84371
directories 7056 93925
discoloration 84827 31291* 93930*
effects on plants 42855
extraction 7062* 14471* 31369* 39996* 40037* 40051* 48799* 57354* 57355* 75485* 75566* 84803* 93906* 93916*
conferences and congresses 40049
equipment 48772*
reviews 22725
feed 3886 6415 11204 11491 11915 11925 14454 19424 20150 20151 20153 20155 20180 20340 28213 28214 36982 37335 45469 45929 45938 45947 46004 62301 62641 63226 63238 71643 71649 72498 72512 72535 72538

Item

Fats and oils--Cont
feed--cont
80737 80750 81207 91397 91403 91404 91408 91431 91439 91453 3052* 3360* 11510* 11520* 11913* 12201* 28219* 36971* 45185* 45234* 45890* 45891* 48126* 71648* 71995* 72554* 79649* 79657* 79694* 80133* 80998* 91443*
reviews 53763*
flavor and odor 22661 48755 48768 48774 57344 57337*
French Overseas Territories 17232*
grading and standardization 45929
hydrogenated 7060 15413
hydrogenation 7059 93930 57292* 93914*
hydrolysis 22663
in animal physiology 80321* 80470*
in food processing 7320*
in human nutrition 15413 15431 15452 41045 41060 49687 49688 67118 94801 32432* 49718* 67116* 76613*
in insect physiology 5563* 55980* 82816*
in mite physiology 46794
in paint manufacture 75532
in plastics manufacture 48786* 48793*
in tanning 84750
industry
Brazil 75597*
Japan 40076 57323 14316*
USSR 14483* 22691* 22735* 48760* 66112* 93935*
irradiation 84827
keeping quality 48795 57377
marketing 14454 93830 30557*
nutritive value 67143 75598 41078* 48736* 48807* 84836*
conferences and congresses 49727*
oxidation 22653 22655 40053 48755 48800 57364 57377 75530 93903 7064* 31291* 46280* 48775* 48796* 57356* 57380* 72370* 75511* 75552* 75571*
reviews 22716
packing 48758*
policies and programs 7037* 14459* 14462* 40075* 66134*
polymerization 80214*
prices 93859*
processing 7038 7082 14451 31347 40053 40054 48795 57394 66107 84836 7075* 22704* 31413* 40067* 40071* 48769* 48806* 57376* 66101* 75529* 75542* 75587* 84837* 93897*
Bulgaria 93900*
equipment 57376* 57386* 84838*
reviews 22667
properties 22693 65101 12201* 14484* 75538*
quality 22729*
sanitation 93897*

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Item

Fats and oils--Cont
situation and outlook 7034 22695 22726 22728 31233 31373 31407 40045 40047 40048 40074 66099 75535 75578 7073* 22675* 75510*
statistics 14494 31355 31418 84854 84855
Brazil 48744*
Canada 93896
Great Britain 83581
Netherlands 14500* 84839*
storage 22712
study and teaching 93924*
sulfated 7069
tests 22243 22655 40039 57377 14490* 66111* 66127* 93907*
therapeutic use 3592* 80214*
toxicity 3907 3942 3963 45947 72370* 15376 41014
trade 49644 58303 58304 76507 7073*
Asia 41014
Germany 58283*
Greece 76507
India 7886
Iran 58304
Pakistan 49644
Turkey 58303
vitamins 22712 32483*
SEE ALSO kinds of fats and oils; and SUBHEADS fat; fat and oil content UNDER specific subjects
Fatstock Guarantee Scheme (Gt Brit) 85468
Fatty acid amides 40065
Fatty acid esters 7086 31359 71633 74710 82468 39073* 48821* 84822*
Fatty acids 7074 22699
analysis and composition 7096 7115 14442 14444 14504 40073 84821 7033* 7058* 14452* 31349* 48797* 57353* 57391*
reviews 48812*
chemistry 7074 22699 84795 48752* 48786* 83755*
determination 39643
in animal physiology 71630
in bacteria 74723
in blood 11243 36619* 36688* 54407*
in butter 22026 83794 62980* 74729* 83767*
in cattle physiology 3587 11491 11493 11701 80196 80211
in cheese 83754* 83793*
in coffee 56545*
in dairy products 22026
in eggs 28216 75595 91431
in fats and oils 11056 22026 22751 31252 40054 40080 45083 48794 54908 57326 57344 84773 84794 84820 88248 57363* 75402* 75406* 75513* 75560* 75582* 93911*
in feed 3161 45936 45947 71633
in flaxseed 16923 17119
in fungi 51580 88248
in grain 6749* 48581*
in hides and skins 75403*
in human nutrition 15413 15423*

Item

Fatty acids--Cont
in insect physiology 5061*
in linseed oil 7117 69651
in margarine 7085
in meat 28209
in milk 6217 45469 47932 65390 65394 65395 74743 83759 83812*
in milk fat 13757 22025 62926 3367*
in oats 93730
in oilseeds 7025*
in olive oil 48828
in plants 1360 16063 16981 34283 42972 60357 88248 9162* 9249* 42951*
in poultry nutrition 3860 3886 11925 20180 28209 54722 72523 72547 91453
in poultry physiology 11977 54708 54791 72604 91431
in pulpwood 19256
in rabbit physiology 37163*
in rapeseed oil 14465*
in rumen 3492 11243 19846 53813 90648 72220*
in ruminant nutrition 36197
in ruminant physiology 45222 79671*
in sheep nutrition 37192
in sheep physiology 3587 12156 28449* 91655*
in swine nutrition 37335
in swine physiology 81265
in tall oil 71633 2944*
in tea 47840
in tobacco 94093
in tobacco seed oil 68409*
in wheat 75273*
oxidation 14506* 31416*
processing 22731 31415*
properties 7074
regulation and inspection 22694
tests 48798*
toxicity 3161 68409*
Fatty alcohols 40073 66110 84820 55927*
Faull,J H 86163
Feather meal
feed 11907 28223 28224 72569 28190* 36185*
fertilizers 70881
processing 6410 22152 28224
Feathers
ducks 4002 45880
geese 7151 28388*
pigeons 80844*
poultry 7139 84882
Feces
analysis and composition 36360 79686 79860* 90582*
bacteria 4433 45337 79907 90603*
cattle 3576
analysis and composition 11652 36690 45510 54431 80366 44373* 45553* 80273* 80451* 63158*
horses
insects 37919* 92054*
man 4533
poultry 45924 72581 11973*
rabbits 28404*
sheep 72832 81043
analysis and composition 2530 4091 28499 46157 63460 81005 81022 81128 81049*
swine 72954 81265

Item

Feces--Cont
tests 83350
toxicity 28834 81582
Fedchenko B A 94882*
Fedelia n g 82594*
Federação Nacional dos Industriais de Lanificios 30774*
Federação Nacional dos Produtores de Trigo 22470*
Federación Cafetalera de America 30364*
Federación de Cajas de Crédito 23004*
Federal Land Bank Associations 23036
Federal Land Bank of Wichita 7385
Federal Land Banks 75891
Federal-State relations 5984
Federal Wine and Brandy Producers' Council of Australia 74588
Federated Co-operatives 32282 76474
Federated Farmers of New Zealand 76445
Fédération Belgo-Luxembourgeoise des Industries du Tabac 31610*
Fédération des Exportateurs de Café d'Haiti 32405*
Fédération Nationale des Syndicats d'Exploitants Agricoles 76442*
Federation of Agricultural Co-operatives of Great Britain and Ireland 40913
Federation of American Societies for Experimental Biology 58362
Fédérations Nationales des Unions Professionnelles Agricoles de Belgique et des Jeunes Alliances Paysannes de Belgique 94708*
Fedorov S M 67179* 62290*
Feed
accounting 39420 56821* 74932*
analysis and composition 6403 6405 6423 6429 6431 6438 6447 13912 22127 22141 22142 22149 22763 30126 30127 30726 30728 30729 39442 39444 48120 48141 53773 56813 56814 56816 56818 56835 67173 74408 74890 74894 74895 74904 74906 74910 74917—74919 74936 76673 83952 83959 83976 83980 83981 93052 93452 93460 93468 93470 6445* 11199* 11201* 39434* 39437* 39443* 45206* 46120* 46189* 47642* 48128* 48133* 48148* 48153* 62306* 65074* 65559* 65564* 65997* 74915* 79723* 90511* 93448* 93466* 93473*
reviews 6437
Arkansas 80172
associations 41082 41083
bacteria 3937 11186 22147 39432 83331 83355 83969 83972 84642 3033* 3057* 6441* 27290* 39451* 53791* 62285* 62316* 71693*
Brazil 37336*
care and handling 6432 6443 30710 74903 56834*

Item

Feed--Cont
care and handling--cont
conferences and congresses 83966
equipment 29963 64797 74902 21576*
Germany
East Germany 94220*
chemistry 30127
concentrates 3365 3375 3410 4075 6405 6443 11483 11485 19745 22136 27287 27635 27656 45477 45528 45543 45615 54155 71643 72027 72076 74906 80158 80182 80191 90925 3852* 19743* 36510* 36980* 37321* 37322* 38719* 45208* 53778* 54613* 62285* 63237* 63539* 71650* 72497* 79660* 79732* 80732* 90523* 90887*
Australia 54202
Bulgaria 55007*
Czechoslovakia 36523*
Denmark 81230*
Europe 66160*
France 27234*
Germany 11497* 46188* 65551* 72013*
East Germany 90564*
Hungary 53776* 53943*
Montana 90951
Norway 11500* 54727* 62661*
Spain 19818 90511*
Sweden 63586* 74913*
USSR 27228*
conferences and congresses 3036 63138 74893 79690*
consumption 3885 20149 75278 93462 48139*
contamination 11298 39418 45956 74909 74929 74934 81350 93052 3896* 20277* 20279* 22144* 45666* 90546* 90666* 90687* 92007*
cooperatives 56820 93454
costs and returns 30730 91282 91459 31225* 83983*
Czechoslovakia 63592*
Germany 85640*
Great Britain 80193
North Carolina 3316
Norway 6450*
Poland 23361* 76284* 85635*
Southern States 94486
credit 49026 85203
digestibility 3349 3357 3386 3587 3720 4075 11333 11536 19408 20155 28073 36203 36848 37147 37190 37200 37207 45855 45937 46113 46187 48141 62740 63431 63460 79686 80100 80129 80158 91682 12201* 27257* 28423* 45480* 46244* 54197* 54209* 54958* 55058* 63135* 63420* 71690* 71781* 79904* 80998* 81231* 81284* 90920* 91464* 91703* 91801* 91821* 91916*
reviews 90563*
directories 22134 65558
Arizona 83952
California 30698
Indiana 14248 84464

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Item

Feed--Cont
directories--cont
Iowa 48583
Missouri 75326 75327
drying 74148 13898* 94220*
fat and oil content 48135 91559 63611*
flavor and odor 72963*
flavoring 81221
formulas 3040 3064 6409 19376 22134 30703 30714 36182 62281 62320 63136 65573 71649 79705 79731 27239* 27246* 27251* 27279* 36184* 36886* 45208* 45234* 53764* 53771* 53810* 62306* 62322* 65566* 65574* 71640* 71648* 71673* 71680* 79656* 79688* 79691* 83962* 90520*
cattle 3337 3346 3358 3365 3373 3391 3410 11496 11522 19746 19754 19769 27590 27601 27620 27635 27640 27654 27679 27680 36497 36529 45509 45530 45537 45543 45627 54167 54178 54216 54234 54237 54240 62637 62656 62660 62666 62682 62701 62740 71980 72014 80129 80136 80155 80156 80158 80170 80196 80199 90925 90951 3388* 11486* 27568* 27595* 27634* 27647* 27661* 27682* 36847* 36506* 45406* 45468* 45505* 45544* 54139* 54140* 54168* 54175* 54183* 54184* 54185* 54197* 54209* 54217* 54223* 54232* 54239* 62652* 62665* 62677* 62686* 62702* 71952* 71973* 71995* 72029* 72057* 80140* 80177* 90884* 90912* 90917* 90920* 91098*
guinea pigs 28134
horses 54614*
mice 28133
minks 3722 3723 36848 36851 36852 36861 63102 63103 91280 91282
poultry 3843 3845 3846 3853 3861 3863 3867 3868 3872 3883 11878 11880 11881 11886 11888 11918 11923 11925 20144 20145 20157 20160 20166 20181 28194 28215 37002 45916 45924 45930 45936—45938 45943 45945 46004 54702 54730 54736 56813 63225 63226 63233 63238 63248 72481 72498 72504 72506 72509 72512 72514 72519 72524 72533—72535 72544 72545 72548 72556 72559 72567 72569 72580 72604 72619 72708 72728 79731 80734 80737 80747 80749—80751 80766

Item

Feed--Cont
formulas--cont
poultry--cont
80768 80769 80776 80781 91384 91387 91388 91397 91399 91402—91404 91429 91434 91437—91439 91453 91456 91459 3859* 11893* 20156* 20172* 28189* 28204* 28222* 45895* 45919* 45944* 54707* 63224* 63243* 72516* 72521* 72537* 72543* 72558* 72574* 80732* 80746* 80758* 80762* 80777* 91418* 91425* 91464* 93447*
rats 81183
reviews 90514*
ruminants 11204 79658 79697 90541 71758* 79665* 79698*
sheep 4075 19746 28435 37200 54906 54908 63425 63426 63432 80136 81008 81082 91665 91682 27682* 28437* 28438* 63423* 72809* 80996* 81008* 91661* 91663*
swine 4209 4215 4216 4261 6407 12192 12198 12211 12218 12221 12224 12226 20476 20479 20480 28583 28606 37315 37316 37328 46179 46180 46187 46215 55009 55013 55017 55019 63581 63598 63612 81183 81185 81192 81196 81201 81207 81210 81212 81221 81226 81234 81235 81265 91787 4206* 12199* 20456* 28575* 28579* 28600* 28607* 28620* 37323* 37332* 37336* 46186* 46205* 55004* 55005* 55031* 55096* 63588* 63590* 63606* 63607* 72934* 72938* 72957* 81184* 81200* 81205* 81208* 81229* 91789* 91792* 91793* 91799* 91800* 91804* 91805* 91810*
turkeys 3847 3848 3849 3879 3880 20152 20177 20178 37083 45902 45903 45909 45923 72495 72502 72505 72510 72514 72520 72572 72573 91398 91440 91433*
fortified 27237 11174* 27674* 36507* 48150* 71680* 71699* 74928*
freezing 38711
Germany 36498* 40613*
grading and standardization 53787* 63227*
home production 20460 79671* 83133* 91934*
Germany 15046* 38725* 46199* 76136* 83983* 85640*
East Germany 39443*
Italy 27239*
Japan 93462
Netherlands 76175* 85666* 85667*
Rhodesia and Nyasaland 20460
Texas 19775
hydrogen-ion concentration 45510

Item

Feed--Cont
industry 13899 13901 30707 30736 53814 56836 65556 65558 65562 93446 93455 74905*
accounting 6428 22148
Austria 91804*
Canada 22145
Europe 48122
European Economic Community 56827* 74914*
Germany 13906* 65551*
East Germany 65565*
Great Britain 13901 13902 48122
Hungary 54060* 93453*
Italy 31425* 62639*
Kansas 40826
public relations 6426 6427 13887 13913 22128 22154 30711 45392*
Southern States 39449
USSR 13915* 74030*
vertical integration 93454
irradiation 28134
Japan 11193*
Kenya 4222
labeling 83980
labor 75926*
Latvia 23258*
legal aspects 56832
liquid 36519 54615 19709* 46202* 47440* 72497* 72934*
pellets 6408* 13281* 62279* 63575* 65554* 71635* 90529*
policies and programs 22135 22744 30745 39435 48156 56826 65560 93467
marketing 6427 13891 13891 22123 30706 39425 48146 65556 65573 74902 83953 93445 93472 30217* 74892*
California 48138
Germany 30217*
Kansas 6425
legal aspects 83964
Pacific Northwest 22163
milling 6411 22162 30739 39438 72533 72534 36980* 65567* 91801*
cooperatives 30705 74900
equipment 6414 13278 13894 21638 47438 73935 21647*
Germany 65906*
study and teaching 39868
moisture 13908 22156 71692 90547*
molds 19606 80873 90599 3057* 3091* 13885* 37180* 37322* 39417* 56825* 93456*
nutritive value 4205 4208 11903 19391 19408 27283 45916 54194 62281 62294 63231 63238 71665 80749 3058* 27227* 53771* 54185* 54191* 54239* 62279* 62324* 63135* 71673* 71709* 79674* 79693* 79713* 80128* 83986* 90511* 90538* 90547* 93466*
oxidation 30305 48126*
packing 30725

Item

Feed--Cont
palatability 27666 45916 45963 46123 72503 72507 80111 81221 45508* 54707* 63610*
pellets 3332 3363 3373 3391 3397 3759 3884 4075 4079 4092 11470 11480 11496 11536 11903 13899 19692 19695 19706 20346 20352 27627 27644 28433 30734 36512 37190 37318 38716 45463 45536 45850 45900 45930 46123 54145 54212 54714 55018 63417 72008 72040 72527 72816 74923 80101 80129 80151 80199 80997 81226 81234 83958 90560 90925 93477
policies and programs
Algeria 65984*
European Economic Community 6424*
Germany
East Germany 14973* 40573* 65555* 65577* 66639* 74921*
Italy 83968*
Rumania 6430*
USSR 6418* 30727* 93465*
prices 39450 83985 48129* 83986*
Alabama 6451
Europe 66160*
Germany 90520*
East Germany 48132* 65557*
Italy 83968*
Netherlands 85666*
Sweden 74913*
processing 3332 4202 11886 22130 22158 27658 30715 30720 30731 39433 46122 65553 65561 72533 72534 74903 80130 80196 81234 93464 39452* 36209* 36999* 62324* 72938* 74892* 83983* 90948*
costs 6409 30738 39446*
Czechoslovakia 39417* 53764* 65566*
Denmark 22126*
equipment 38716 47438 13285* 21647* 38641* 39424* 47437* 47446* 65566* 83148* 83530* 92896*
Germany 47445*
Great Britain 73935
Texas 56190
USSR 5792* 13276*
France 22151
Germany 13910* 62291*
Great Britain 22126*
Italy 39446*
Netherlands 22126*
reviews 71660*
Rumania 93447*
USSR 13911* 22140* 27228* 27274* 48150*
proteins 6405 13893 13914 20165 22127 27287 37147 37316 39440 72367 91452 1604* 3066* 11200* 13915* 20104* 20456* 20470* 27243* 27279* 27288* 36185* 37050* 37323* 39417* 48139* 53793* 53795* 62316* 62652* 79681* 81202* 93451* 93456*

*Text of this reference is not in English.

Item

Feed--Cont
purchasing 13907 83985 93443*
quality 22130 54192 80188 11164* 30716* 79690* 79693*
Germany
East Germany 39443* 53793*
Sweden 93450*
Virginia 54190
regulation and inspection 30703 30735 30744 39413 39441 41127 48121 48131 48135 65552 74899 83693
Alabama 6403
Belgium 65563*
Bulgaria 93085*
Canada 83984*
Connecticut 30126 30709
Denmark 30704* 74924*
Germany 6441* 74924*
Hungary 53943*
Indiana 6440 93471
Maine 83971
Massachusetts 56831
Minnesota 6423
Missouri 13903
Netherlands 39454* 56823*
New Hampshire 56817
New Jersey 6442
New Mexico 39444
New York 13905
North Carolina 6431 30726
North Dakota 76673
Oklahoma 83476
Poland 92007*
Rhode Island 22137 30712
Texas 39420
USSR 36206*
Vermont 6449
West Virginia 13917 48155
requirements 3366 12093 80198 27251* 36498* 46114* 65577* 90522* 90531*
research
linear programming 62320 65572 30716*
statistical methods 15035 93446
sanitation 39456 83969 3896* 13885* 13916* 27250* 36206* 56825* 79735*
situation and outlook 3863 6407 6443 13888 13895 14325 22125 22136 22155 22161 30702 30711 30724 39412 39415 39439 39453 56829 67144 94854
Africa 36974
Algeria 65984* 93796*
Canada 48143 91409
Germany 74914*
Hawaii 48149
Japan 74931
Poland 93474*
Southern States 39449
spoilage 13908
spontaneous combustion 3057*
statistics 93752 31425*
storage 3884 27613 29877 30733 39448* 45228* 75926*
pest control 37777*
structures 5873 47591 47590*
temperature 22156

Item

Feed--Cont
supplements 3040 14454 19373 19381 19406 19424 22141 30718 45188 53830 56835 19475* 45178* 45192* 48150* 54199* 62316* 71664* 71669* 90562*
cattle 3323 3333 19735 19741 19765 19770 19772 27601 27626 27640 27664 27666 27680 45470 45531 45541 54141 54142—54145 54162 54173 54214 54215 54226 54240 62656 62668 62692 71980 71992 72002 72028 72041 80119 80158 80159 80182 80203 80375 90940 90941 91652 36521* 54140* 71994* 72031* 72048* 80134* 80187* 90910* 91095*
ducks 54733*
poultry 3877 3884 11885 11896 11907 12383 20143 20165 28188 28224 28834 36990 45904 45921 45939 72477 72508 72519 72551 72575 72582 80728 80733 80763 91408 91536 91817 28201* 54713* 80738* 80757* 91383* 91458*
rats 81207
ruminants 11204 62301 53796*
sheep 12094 37198 46111 46122 81001 91652 91650* 91663*
swine 4202 4216 12204 12211 12212 20479 28574 28615 37334 46213 55009 55020 55025 55040 55049 63598 81174 81177 81178 81207 91817 91880 4225* 12213* 46195* 46198* 55042* 55044* 63575* 72940* 72949* 72973* 81176* 81229* 90910*
turkeys 3884 20158 20176 20306 45903 72495 72505
Sweden 39437* 79646*
terminology 30717 39438
tests 11157 19410 30696 83331 61401* 93450* 93457* 93476*
toxicity 39456 3091* 11637* 13916* 36553* 54438* 56825* 63614* 63619*
trade 41012 58298 76507 76574 94763 6441*
Belgium 65563*
European Economic Community 23627 6424*
Greece 76507
transportation 39431 31082* 83194* 93461*
vitamins 27237 30694 30728 71659 93443 11517* 36198* 48133* 53788* 62278* 71680* 79646* 79680* 83962*
weight and measurement 30714 48157
SEE ALSO names of feeds; and UNDER specific subjects
Feed banks SEE Grain banks

Item

Feed Grain Law of 1961 48123
Feed Grain Program SEE Emergency Feed Grain Program
Feed Production School 30707
Feed Trade Manual 22134
Feeders 5716 11205 21573 27229 27233 56193 83011 83273
Australia 62326
Canada 83024
cattle 3349 12103 13184 13185 19698 21577 29877 29886 29891 29895 36517 38822 54149 54213 64822 72017 90921 27642* 29885* 29889* 38641* 38642* 71989* 74014* 74286* 90896*
Australia 64813 83026
Germany 74008* 80148*
Hungary 74019*
Germany 74149*
insects 4798 64188
poultry 45897 21583* 38644* 38651* 54744* 74010* 74012*
reviews 74339*
sheep 4076 5859 12103 13186 13187 29897 38652 38653 38851 46123 56111 91709 56107*
swine 5724 29884 55027 73003 91787 20469* 21579* 47330* 55007* 72950* 81188*
Czechoslovakia 92740*
Germany 47445*
East Germany 64810* 83018* 83235*
Hungary 74015*
Sweden 47321* 55051* 63586*
Feet 36325*
cats 36767
cattle 62932 90881 3423* 11597* 36665* 80216* 80653* 90990*
diseases 27747 27809 80391* 90992*
chinchillas 36866
dogs 27982 46152*
foxes 36867*
goats 46152*
horses 11841 28098 63173 80624 36891* 36909* 54632* 54638* 72416* 80653*
diseases 54633*
mice 36947* 63193*
sheep 1566 4107 81120 12160*
swine 12284*
Feldmannodora chadefaudii 32920*
Feline infectious enteritis 80578*
Feline pneumonitis 54554 80526
Feline viral rhinotracheitis 36815
Feltria minuta 82139
Feltria romijni 82139
Fenac 17688
Fenactil 80939*
Fence posts 10910 13400* 27133
Australia 62120
Great Britain 74354
Michigan
preservation 2835 10946 27065 27066 62097 79486
Australia 62093
bibliographies 53563
Mississippi 53559
North Dakota 53570
Puerto Rico 44973

Item

Fences
Australia 5884 13399 47595
Austria 90261*
California 83282
construction 13398 38851 38852 47596 56317 74347 74354 47328*
costs 7663 13401 74348*
Czechoslovakia 53406*
electric 47597 64183 74351*
Germany 47600* 65031* 65032* 65033* 74350*
East Germany 72182* 74349*
New Zealand 25953
USSR 47549*
Germany 60793* 74352* 90276*
East Germany 83281*
Great Britain 56318
maintenance and repair 30092* 74353*
New Zealand 47599
Norway 74353*
Sweden 30091*
types 38853
wire 47598
Fenella nigrita 64573*
Fenestula SEE Listrognathus (Fenestula)
Fennel SEE Foeniculum
Fenuron 43680 44773 53355 74403
Ferbam 431 16003 41840
Ferguson H 86196*
Ferkmil 12214*
Ferlan L 23775*
Fermentation 26114 40191 48330*
alcoholic 6037 6052 21950 21954 47867 6147* 47775* 65201* 83684* 93208* 94047*
industrial 47787 56490 83555 65338* 74620* 83527*
products 7068 80745
SEE ALSO UNDER specific subjects
Ferna n g 64554
Fernaldella fimetaria 29673
Fernaldella partitaria 29673
Fernow B E 8020
Fernoxone 53329
Ferns SEE Pteridophyta
Ferreoloides 5270
Ferrets 45850
Ferric sulfate SEE Iron sulfate
Ferricyanides 36907* 59803*
Ferriere C 8017*
Ferrihemoproteins SEE Hemoproteins
Ferrisia virgata 29068*
Ferritin 20083 11341*
Ferrocyanides 42790 57507
Fertility SEE UNDER Livestock; Soils; and names of animals
Fertilization of plants SEE Pollination; and SUBHEAD pollination UNDER names of plants
Fertilizer Industry Round Table 78993
Fertilizers 1039 10084 18021 18359 26273 35298 52589 52721 52822 61384 61451 61601 78720 78975 89505 89671 24898* 44063* 76647* 78314* 79005* 89694*
adjuvants 70260 18285* 70893*
advisory services 10488 10489

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Item

Fertilizers--Cont
Alaska 52786
analysis and composition
2515 2519 2521
10480 10490 18601
18602—18604 18608
26624 26633 35596
35598 35600 39442
44505 44512 44513
44515—44517 44520
44522 44526 53075
67173 70913 76673
78988 79004 79006
79024 79028 89941
93468 2522* 10485*
44524* 47673* 53087*
70905* 78384* 83332*
equipment 79015
application 1270 2273
2297 10184 10208
10290 18322 18342
26204 26235 35327
35357 40370 52693
52767 52801 52831
70510 74077 78586
78621 88068 18285*
26925* 44221* 44245*
61450* 68900* 70555*
70589* 70622* 70624*
70649* 70934* 78690*
78743* 89645*
Africa 44259*
Austria 44233 44204*
bibliographies 1003
Bulgaria 89741*
Canada 2312
conferences and congresses 10183
costs 31771
equipment 5732 5735
5738 38672 38682
44390 47373 52984
83701 2516* 13224*
47390* 64844* 64851*
74085* 92786*
Canada 21604
France 29915* 38671*
64849*
Germany 56146*
56150* 56153* 74086*
83078*
Great Britain 21603
Hungary 29923*
Japan 47388* 64867*
Netherlands 56152*
74073*
Switzerland 64868*
USSR 13225* 29921*
64853* 64858* 64866*
83068* 79033* 92781*
Finland 10210*
Florida 61439
France 89750*
Germany 2348* 5778*
10171* 10271* 78681*
East Germany 44218*
Great Britain 78711
Hungary 2249* 26249*
52702* 52738* 52778*
India 61562 18331*
Indiana 10307
Italy 18262* 18279*
18325* 52804*
Japan 61411
labor 85637
Mexico 18382*
Near East 44259*
New Zealand 12478
55418
Pakistan 10177
Spain 78700* 78701*
study and teaching 44259*
Taiwan 70576
Texas 18295 44160
USSR 44232 78559
2247* 2320* 2326*
2328* 2345* 10159*
10205* 10221* 10299*
10315* 18306* 35337*
35345* 35362* 44269*

Item

Fertilizers--Cont
application--cont
USSR--cont
44274* 44294* 44531*
50957* 52706* 52872*
61388* 70490* 70518*
70543* 70656* 70661*
78733* 78756* 89679*
89691* 89707* 89740*
Virginia 18361
Yugoslavia 91950*
Argentina 89650*
Arizona 44140
Arkansas 10479
associations 41082 41083
Australia 26209 61437
bibliographies 43892
Brazil 52861*
California 10202
Canada 35295
care and handling 44523
70895 78994 78997
79000 79010
conferences and congresses 83966
chemistry 26636 79025
10037* 17965* 17966*
43968* 53078* 61662*
70889* 89479* 89950*
coated 18322 26634
70902
Colombia 78693*
Colorado 26240
conferences and congresses
26640 44509*
consumption 10487 10493
10496 10497 10498
26312 26359 26632
35603 44529 53071
53080 53085 61655
94860
Appalachian Mountains 70897
Austria 89938*
Colombia 2525*
Europe 44203*
Germany 44203* 76073*
Greece 70907
Illinois 61656
India 10492 35602
Italy 35608*
Mississippi 79006
North Dakota 79026
Northeastern States 70897
Portugal 45506* 45508*
Taiwan 89933
Texas 26625
Yugoslavia 70899*
cooperatives 2524
costs and returns 10499
10500 18341 18610
70894 70910 89671
18607* 26629*
Alabama 26203
Australia 2317
Czechoslovakia 18326*
Georgia 52708
Germany 58032* 89705*
Great Britain 18606
53088
Hungary 78612*
Illinois 15516 66646
Louisiana 35409 35605
52848 78726
Norway 2527*
New Zealand 78992
Pennsylvania 57955
Poland 89951*
Republic of South Africa 78739
Southern States 89946
Sweden 53077*
Texas 26344 78615
USSR 2516* 10482*
credit 57704 70911 94185
Czechoslovakia 89764
10284* 78689*
Denmark 79013*
East Africa 78387

Item

Fertilizers--Cont
effects on insect populations 46581 20800* 20897*
21393* 29162* 37448*
64069* 64092* 82887*
effects on mite populations 21058
effects on plant disease
345 68847 33238*
42048* 42068*
El Salvador 78602*
Florida 18348
foliar application 2303
8933 16628 18296
25928 61395 70672
77495 78753 26226*
34082* 42886* 61402*
68658* 68671* 68711*
70651* 78641* 78677*
78712*
alfalfa 70625*
apples 51935* 73265*
avocados 35291
beans 34221*
Chrysanthemum 88096*
coffee 26206
Coniferae 90177*
corn 18248 35377*
44262* 52807* 61327*
61368* 70497* 70658*
87865*
cotton 18248 70561
10250* 35427* 70636*
78638*
cucumbers 59462*
Festuca elatior 51104*
field crops 10207
fruit 10207 52850
10309* 26352* 61431*
70538* 70652*
grain 51073*
grapes 35342 68815
8930* 24946* 70652*
78590* 78645*
grasses 10240 52842
lupine 78754*
potatoes 10230* 51071*
89677*
Primula 88096*
Rosa 61381
shrubs 44182
sorghum 59988
strawberries 52771*
68770*
tea 70612*
tobacco 44210
tomatoes 10230* 25111*
68082* 87983* 88010*
89666*
trees 71138*
vegetables 52850
70652* 74064*
wheat 9138* 61449*
70501* 70653*
formulas 2324* 26643*
31533* 35349* 35597*
35599 70934* 89930*
89931* 89935* 89939*
89940* 89944*
Italy 89633* 89634*
89648* 89651* 89656*
89711* 89734* 89784*
89786*
formulations 26639 70902
79001—79004
France 10134*
Georgia 70560
Germany 26626* 52810*
52847* 53084* 61414*
78682* 89705*
East Germany 42645*
61039* 89672* 89746*
grading and standardization
79002 18277*
granulated 5733 10499
18311 21603 26628
26634 26646 74085
79022 10201* 18942*
44296* 78690* 89743*
92781*

Item

Fertilizers--Cont
granulation 35312 79014
2517* 2520* 61660*
Great Britain 18610
2330*
reviews 78585
Hawaii 18388
hazards and safeguards
89937 63743*
history 89942
Hungary 70500* 70572*
Illinois 44145 66645
India 18119 26313 26321
35412 70886 79019
industry 70896 78729
78990 79009 89944*
Australia 26622
Colombia 2525*
conferences and congresses 78993
France 44521*
Great Britain 53076
India 35602 18331*
Italy 78989*
Taiwan 89947
USSR 10201* 10482*
10501* 18612* 79017*
89945*
Ireland 2398 70923
Italy 10229* 44230* 44337*
52804* 78670*
Japan 35344*
Kentucky 10186
Kenya 35288
liquid 2524 10202 10313
10499 26636 52693
52842 78705 79000
10161* 18304* 61443*
70550* 70565*
application 10154
26216 44171 78731*
equipment 38673
92789 21605* 47378*
47386* 56140* 56148*
74064* 83075* 92785*
bibliographies 2509
Germany 58032*
Hawaii 44171
Italy 10197*
manufacture 10503
26623 26638 26640
transportation 79027
USSR 52705*
losses 18597 18611
52842 79018*
Louisiana 2340 52846
78723
manufacture 2528 26619
26646 44507 61653
70908 78998 79001
79009 79015 79016
2517* 53074* 79005*
79025* 89950*
Canada 78986
costs 89934
equipment 2518 26619
79022 2516*
Hungary 70880*
reviews 18605
USSR 44531* 70900*
79033* 89943*
marketing 10483 10488
10489 10491 18480
26641 44527 44533
52696 53073 53082
53100 78995
Germany 35592* 44528*
53084*
Illinois 61651
Louisiana 70901 79008
Taiwan 89933
mixtures 596 10499
16171 26641 26644
52763 79023 89934
78690* 89630* 89704*
Denmark 18271*
Germany 44239*
Hungary 70495*
India 26243
Italy 10478*

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Item

Fertilizers--Cont
mixtures--cont
Japan 79007* 79027*
Netherlands 18277*
Poland 70914*
USSR 2328* 2329* 2345* 10201* 13225* 16739* 18338* 26314* 61330* 64851* 68546* 69114* 70547* 78640* 89707*
Yugoslavia 70668*
Morocco 70509* 78576* 78663*
Nevada 16579
New Hampshire 1429
New Jersey 44237
Niger 33101*
North Carolina 2521 26310
Norway 61647* 78702*
Ohio 26327
Okinawa 78583
Oklahoma 18258
organic 26309 61136 61384 89959 2270* 25069* 26115* 26329* 35385* 43958* 44169* 52600* 60128* 78405* 89704* 89729*
Argentina 89650*
Czechoslovakia 10246*
France 52409*
Germany 35315* 44212*
East Germany 44218*
Hungary 2248* 10292* 44174* 61436* 70495* 70670*
Italy 18333*
Japan 61377*
Netherlands 18312*
Poland 44150* 70914*
reviews 78715*
Rumania 89748*
Spain 18267* 18268*
USSR 2320* 10299* 13225* 16739* 18299* 19003* 26314* 29921* 35309* 44185* 44216* 52817* 59950* 61405* 64858* 78640* 89698* 89700* 92781*
packing 79010
Pakistan 44196
pellets 78978 53081*
Poland 10251* 18304* 18339* 70884*
policies and programs 23120 35368 66645 18330* 52748* 78746* 89932*
Portugal 61364*
prices 65195 78990 18607* 35594* 79011*
regulation and inspection 35595 35601 35606 41127
Alabama 2515
Australia 53090 61652
Connecticut 35596
Indiana 2526 44525 61659
Kentucky 35600 70906
Maine 61658
Massachusetts 53079
Mississippi 18608
Nebraska 35598
New Hampshire 53072
New Jersey 26635
New York 13905
North Carolina 26633
North Dakota 76673
Oklahoma 83476
Rhode Island 44519
South Carolina 78988
Switzerland 70326
Texas 26624
Vermont 2529
West Virginia 10502 44532

Item

Fertilizers--Cont
research
linear programming 35363 57955 78990 89934
statistical methods 35601 52767 78598 93751 78577* 78735*
residual effectiveness 18256 26319 35378 52712 52735 52736 52741 52753 52824 78697 89712* 89748*
residues 83449*
reviews 18605
Rumania 89670*
Scotland 44198
situation and outlook 26631 35604 35607 44530 53083 67144 70903 70904 70909 76659 89949
France 26621*
Germany 53086* 79021*
Japan 2523
Portugal 44508*
USSR 44531*
USSR bloc 26642*
South Carolina 44511 89518
Spain 35384
spontaneous combustion 10494
statistics 10496—10498 26632 44514 93193 89948*
Arizona 78984
Arkansas 26630
Australia 26618 78985
Austria 89938*
Canada 78986
Germany 26627*
Great Britain 35593 61654 83581
Illinois 61664
India 10486
Italy 78989*
Minnesota 10490
Oklahoma 18609
Wisconsin 70913
storage 61657 61661 89937 2527* 10221* 78999* 79018*
study and teaching 26326 52696 78744*
Sweden 70559 2283* 35320* 89927*
technology 10487 10493 13224*
terminology 79013*
tests 78598 35285* 52782*
Argentina 44260*
Austria 44204*
Ceylon 35380
Germany 2278 2333 26219*
Hungary 10292*
Netherlands 10269* 61401*
Poland 10314*
Portugal 44257* 44263*
Rumania 70615*
Sweden 53077*
Turkey 44241*
trade 10484 76574 2525*
transportation 78991 78997 79000 83194*
Tropics 8407
USSR 10288* 52584* 61392* 70537* 70584* 78563* 78647* 78745*
weight and measurement 79000 79020
Yugoslavia 68746* 70668* 70885* 89930*
SEE ALSO Composts; Green manures; Guano; Humus; Manures; names of fertilizers; and UNDER specific subjects

Item

Ferula communis 37628* 38084* 50731*
Ferulic acid 9133
Fescue SEE Festuca
Fessenden G R 41215
Fessonia 38056
Festivals 14041* 30363*
Festuca
breeding 9470*
Canada 1587
Chile 88561*
control 17678
culture 34519 69507*
ecology 42151
hybrids 9470*
Montana 69577
nematodes 16186*
seeds 62682
soils 52407
Festuca arundinacea SEE Festuca elatior arundinacea
Festuca elatior 43247 51104*
anatomy and physiology 16855 42576* 59900*
breeding 60504
Great Britain 89710
morphology 59601*
weed control 43750
Festuca elatior arundinacea 79654
anatomy and physiology 8912 16750 16830 25141 68846
fertilizers 68165
hybrids 863
seeds 31523
soils 35219
toxicity 3470
Festuca maritimus 41459*
Festuca novae-zelandiae 25482 42809
Festuca octoflora 1093 77569
Festuca ovina 34182 50040 32833* 88664*
Festuca pratensis SEE Festuca elatior
Festuca rubra 886 9456 73752
anatomy and physiology 87725
diseases 37686*
ecology 59229*
germination 77699
pests 37686*
varieties 25454*
Festuca rubra commutata 19474
Festuca scabrella 698 42649
Festuca vallsiaca 88500*
Fetrilon 71138*
Fetus SEE SUBHEAD embryos UNDER Livestock and names of animals
Feudalism 94556*
Feulgen test 8789 34285 45405 87312
Fever 27470 54303*
Fiber plants 22228
bibliographies 75001
China 69493
Pakistan 25398
pests 20716
Sweden 1441*
Taiwan 43178 43185 47301
SEE ALSO names of fiber plants
Fiberboard 11070 11093 27173 53694*
cutting 53695
directories 2966 71557
grading and standardization 45110*
Great Britain 2963
history 27174
manufacture 19310 45114 2977* 7272* 14002* 36094* 62197* 71564*
Czechoslovakia 71567*

Item

Fiberboard--Cont
manufacture--cont
Oregon 11071
Poland 62184*
Rumania 45104*
Tropics 71565*
materials 2968 2976 11074 14651 30802 39531 45114 62192 65587 71568 79594 2976* 13968* 14002* 30080* 62189* 71565* 75761*
moisture 27177* 71566*
Poland 19311* 62155*
preservation 35962
properties 2960 11080 27177 45123 79591 2977* 53694* 62195* 62244* 71566* 71569*
strength 11074 71497* 71498* 90442*
tests 11089 45036 62183* 71497* 71498* 71555*
trade 62184*
waterproofing 45098* 71566*
Yugoslavia 11092* 71504*
SEE ALSO Particle board
Fiberglas SEE Glass fibers
Fibers 39515—39517 48206 65644 84058 22182* 83993*
analysis and composition 30865 48178 65641 6588* 6591* 14011* 22182* 22272*
blending 30794 30883
carding and combing 6455 6603 14015 22234 48196 48276 65585 84120 22207* 30806* 39506* 65590* 65619* 84059*
chemistry 39478 88240 93042 30809* 75044*
consumer preferences 6596 56852
consumption 6469 48236 30800*
contamination 65150
defects 75013
grading and standardization 75013 56866*
identification 6473 13967 22200 22214* 48258*
India 6452
irradiation 56903
Italy 22202*
labeling 13932 22240
Latin America 57832
lubrication 6467 84121 74958*
marketing 39548 22239*
prices 30852
processing 39548 65582 75013 83987 84016 84040 93489 6565* 22236* 39566* 74964* 74965* 74978* 75016* 84081*
properties 6509 6524 13929 14007 22195 22245 22261 30758 39501 39529 39559 48206 48271 65101 84069 39560* 39561* 39566* 74978* 84010* 84114*
reviews 75014
quality 39577*
regulation and inspection 65150
research
statistical methods 65590*
situation and outlook 6500 6600 14016 65662 93495 21197* 48261* 75022*

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Item

Fibers--Cont
staple length 65645
statistics 20800*
structure 6586 13929 14007 48271 48276 84110 30831* 30845*
study and teaching 65586
synthetic 6574 6600 13934 13979 13980 13981 14016 22241 39517 56890 65662 83991 84058 6565* 19287* 22180* 22226* 30756* 39497* 39562* 65667* 74945* 74964* 75022* 84001* 84002*
Europe 6469 6507 7877
Great Britain 6469
Japan 93500
pests 46613*
properties 6524
situation and outlook 6601
spinning 6498
statistics 83581 84055*
Texas 30770
trade 7884
tests 6524 6585 22245 22261 30796 39559 84021 13926* 39486* 39560* 84114*
equipment 39482*
trade 67089
weight and measurement 6554 36147
SEE ALSO kinds and names of fibers; and UNDER specific subjects
Fibrinogen 53858 90970*
Fibrograph 48239 48281
Fibroin 55626 82027 37914* 37932* 37936* 37941* 82041* 82060*
analysis and composition 6575 65623 20994*
properties 56849 84051 65616*
Fibrolite 27176*
Fibrosarcoma 28243
Ficalhoa laurifolia 27203
Ficaria SEE Ranunculus
Ficivora n g 82688
Ficivora leucoteles 82688
Ficocyba SEE Typhlocyba (Ficocyba)
Ficoidaceae 41328*
Ficus 1818 12318 76934 25711* 69880*
Ficus benghalensis 45606
Ficus carica SEE Figs
Ficus elastica 69223 33277* 33434*
Ficus hispida 8308
Ficus pertusa 41395
Fidicina pronoe 82543
Fieberiella florii 55481*
Field choppers SEE Choppers
Field crops 69289
acreage and area 40155 85557
Denmark 39092*
France 61355*
Germany
East Germany 83569*
Illinois 21929
Poland 93172*
Sweden 65272*
anatomy and physiology 981 8904 34028 34104 34126 50920 52854 60209 77664 78392 1072* 1254* 24876* 24964* 25023* 33939* 42764* 51018* 51272* 51302* 59777* 60083* 68560* 69049* 77603* 77615* 77673* 87607* 88067*

Item

Field crops--Cont
Australia 77843
bacterial diseases 77207*
breeding 1421 1431 17011 34355 34373 60379 69290 77846 77849 1254* 1442* 69284*
Denmark 43053* 43061*
Great Britain 25275 69279
Hungary 9327*
India 9328
Indonesia 43075*
Kansas 88269
Latvia 1443*
Netherlands 88273
Republic of South Africa 1424
Sweden 1409* 1415* 1440*
Taiwan 77845
Tropics 78605*
USSR 69295* 88293*
conferences and congresses 1421 17866 25269 34366 69290
cooperatives 38962 65111
costs and returns 76257
Alabama 66736
Hungary 49323*
Minnesota 15065
Nebraska 7622
New York 40668
Ohio 58001
USSR 7681* 23082* 40652* 66650* 69275*
culture 16997 17003 17005* 25287* 25288*
Australia 88268
Bulgaria 89805*
California 60382
Congo 34346* 34367*
Czechoslovakia 44301* 88270* 88297*
Dahomey 34345*
Denmark 69307 17001* 17002* 34347* 34348* 43054* 60368* 60378* 60387* 61123* 69306* 88258* 88294*
desert areas
reviews 61476
developing areas 51586
Florida 15898 16993 17006 17903 18349 20779
France 25281* 51591* 60372*
Germany 43076* 51588* 88260*
East Germany 17000* 43067* 49226* 77839*
Hawaii 17311
Hungary 16994* 34356* 43122* 69311*
India 9328 9329 16986
Italy 60384
Mississippi 51612
Missouri 51602
Nebraska 60370
Netherlands 9340* 60392*
Norway 51606*
Pennsylvania 51607
Rumania 685*
Sweden 9341* 16999* 17009* 25265* 25286* 34341* 69282* 88255* 89628*
Taiwan 77845
Tropics 78605*
USSR 9330* 10448* 16989* 25276* 26360* 34359* 35441* 35873* 44313* 51583* 51589* 51604* 51605* 51613* 51616* 51617* 52895*

Item

Field crops--Cont
culture--cont
USSR--cont 59777* 60386* 60644* 69275* 69294* 69302* 69303* 69308* 69315* 70535* 78818* 88256* 88277* 88281* 88291* 88295* 88296* 89200* 89284* 89799* 89814*
defoliation 1420
disease resistance 1442* 51158* 88293*
diseases
control
Canada 86613
Germany
East Germany 17000*
India 8402 15933 50223
Netherlands 24153*
USSR 67748*
Florida 15898
India 86681
Poland 86695*
Sweden 67691*
USSR 58907
drought resistance
reviews 87807
drying 56191 64914*
ecology 33483 59298 685*
equipment 21540
fertilizers 8904 10207 10238 10310 18341 26273 26312 44293 50920 52715 78705 10068* 52713* 70367* 78736* 89631* 89704*
Alabama 26203
Arkansas 10242
Congo 34367*
Czechoslovakia 78672*
Florida 17978 18280 18297 18349 26290
France 26250* 51591* 60372* 61355*
Germany 44239 52772* 78724*
Hungary 52780* 70494* 70495* 70500* 70551* 87507*
Illinois 10156
India 35317 44199 52742 61339
Italy 18389*
Latvia 26208*
Maine 78625
Michigan 52854
Mississippi 70598
Missouri 52783
Netherlands 35372*
New Jersey 26025
Norway 18367*
Oklahoma 89714
Pakistan 26267
Poland 2255* 26257* 44150* 78587* 89635* 89641*
Southeastern States 35378
Sweden 35330* 70498* 70562* 78634* 78738* 88254* 89628*
Tropics 78605*
USSR 2327* 18374* 35287* 35401* 44136* 61385* 61648* 70535* 78563* 78564* 78591* 78647* 89691* 89703* 89718* 89720*
Wyoming 2290 78622
France 51591* 60372*
fungus diseases 15971 15988 67795 58952* 86825* 88293*
Germany 34357* 88285*
germination 88041*

Item

Field crops--Cont
grading and standardization 48399
Great Britain 13435
harvesting 64882 92810*
Illinois 66646
injuries 328 17699 24176* 86724*
irrigation 26556
Czechoslovakia 44350* 87734* 88275*
Florida 18297
Great Britain 78868
Sweden 16838*
USSR 34104 35511* 42764* 44417* 78818* 78906*
Utah 18433
Washington 2422
judging 1410 1422 27502
labor 14760* 49073* 75940*
marketing 76257
mechanization 56100 14760*
morphology 60391
nematodes 59215* 87121*
nutritional deficiencies 25162 33858*
pest control 55384 92125 20715* 46497* 81699*
Australia 63938 92066 92076 92101
biological 63958 55398* 92128*
California 46505
Canada 86013
Colorado 55389
Germany 73208*
East Germany 17000*
Hungary 50204*
India 50223
Italy 8369* 12454*
Mauritius 63776*
Mexico 92137*
Netherlands 24153*
reviews 73219*
Sudan 63954*
USSR 20752* 20753* 28980* 46424* 67748* 73195* 73262* 81697* 81722* 86602* 86604* 91957* 92108* 92113*
West Africa 73116
Wisconsin 37504
pest resistance 63895 63902*
pests 63895
Australia 4669 92076
China 38083*
ecology 21422* 38083* 46733*
Florida 20779
forecasting 29023*
France 50177*
Germany
East Germany 63902*
Great Britain 37638 37639
habits and behavior 64436*
Israel 55448 92135
Japan 55681
Latvia 64483*
Poland 86695*
Rhodesia and Nyasaland 20778
Rumania 41634* 46449* 63942*
Spain 92127*
Sudan 63954*
USSR 58907 12496* 15952* 73195* 81693* 92141*
United Arab Republic 82268
Yugoslavia 92085*
physiological diseases 51158*

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Item

Field crops--Cont
planting
Czechoslovakia 88275*
equipment 38684 47382 92788 64855* 74067*
Germany 69313* 69314*
East Germany 61039*
Hungary 69311*
Iowa 43059
Norway 51609*
Oklahoma 16988
South Carolina 1447
Sweden 88259*
USSR 89902*
planting date 69294*
Poland 43063* 43066* 51593* 51598*
pollen 87599*
pollination 64192 81965
production regions 83306
research
linear programming 88017
rotation with pasture
Australia 18300 88268 88343
Czechoslovakia 26128* 43056*
Florida 44120
Hungary 69556*
Poland 88263*
Sweden 77968*
USSR 25273* 44298* 51611* 51613*
seeds 1414 1419 1431 16997 60379 69287 69289 69284*
Canada 69298
certified 22816 60382 69327 79300
conferences and congresses 34344
Czechoslovakia 88270*
Denmark 31531* 34348* 39092* 43053* 60368* 60378* 60788* 69277*
Finland 15408*
Germany 69313*
East Germany 85590*
Great Britain 25275
harvesting 1420
India 8402 9321
Iowa 25285 75695
Latvia 1443*
marketing 69276
Missouri 51587
Oregon 1430
statistics 40155 66193
Sweden 9341* 75700* 86825* 88255*
trade 40155
treatment 50223 68635* 81722* 87607* 88041*
shows 1410
situation and outlook 38883
Canada 21771
Germany 74382*
East Germany 83569*
Great Britain 83307
Israel 13428
soilless culture 88041*
soils 35154 35209 51261 52392 52540 44034* 60083* 78314*
Florida 18280
Germany 16991*
East Germany 85590*
Hawaii 17311
Hungary 70551*
Japan 35429*
New Jersey 26025
Spain 44415*
USSR 18288 44314* 89902*
Wisconsin 44214
spraying and dusting 78227 56234*
statistics 13608 74568 93194 30334*

Item

Field crops--Cont
statistics--cont
Belgium 83574*
Germany 13589* 47816* 65261*
Sweden 65272*
USSR 30334*
storage 56191
study and teaching 16992 1433* 34356*
varieties 34355 60391 88284
Austria 51582*
Canada 43070 77848
Czechoslovakia 88270*
Florida 16993
France 51591* 60372*
Georgia 34349 60374
Germany
East Germany 43062*
Great Britain 1428 25275
Hungary 8468* 9327*
Iowa 25285
Kansas 25283
Minnesota 15065 25279 78215
Nebraska 1446
Netherlands 34361 34362*
New Hampshire 1429
New Jersey 34350
North Carolina 1416
Ohio 34370
Oklahoma 16988
Sweden 16999* 70562*
USSR 88288*
West Indies 88271
weed control
Czechoslovakia 89399*
Hungary 89292
Nevada 17719
Northeastern States 52278
Ohio 35049
Oklahoma 25895 89290
Sweden 70038*
USSR 17727* 89284*
yields 9331 10198 18343 26312 26319 26556 40155 42683 51105 51261 52715 60369 60391 70666 1439* 18335* 30334* 52713* 68635* 89704* 89845*
Alabama 26203
Czechoslovakia 43056*
Finland 9335* 25289*
Florida 18297 26290
France 26250* 61355*
Georgia 34349 60374
Germany 52772*
Hungary 69311* 70500*
India 44199 61339
Indiana 34353
Iowa 25282
Japan 35429*
Kansas 25283
Latvia 26208*
Maine 78625
Michigan 52854
Minnesota 15065
Mississippi 51612
Missouri 52783
Netherlands 35372*
Oklahoma 60375
Poland 44150* 70503*
research
statistical methods 1445*
Southeastern States 35378
Sweden 1438* 34364* 70498* 70562* 89628*
USSR 19062 2327* 18374* 19057* 20753* 25271* 30334* 35287* 35401* 44136* 44417* 51018* 60377* 61385* 69275* 69286*

Item

Field crops--Cont
yields--cont
Wisconsin 44214
Wyoming 2290 78622
Yugoslavia 9342*
SEE ALSO Rotation of crops; names of crops; and UNDER Greenhouse culture
Field trips 58188
Fieldmen 40542 48003 13816* 45392*
Fig wasp SEE Blastophagus psenes
Figs
analysis and composition 39656
anatomy and physiology 42209* 42922* 59760* 68718*
breeding 1689 25574*
culture 51914 88879 25579* 34613* 60665* 78046*
dried 30991
enzymes 13853
genetics 59679*
industry 65676
pests 73317 82688 92524*
pollination 64572 25574* 59679* 60665*
pruning 42209*
quality 30991
situation and outlook 30894
varieties 88882*
virus diseases 77247
Fiji Dept of Forestry 18680
Fiji disease
sugarcane 50491 33367*
Filariasis 92030 45370*
cattle 54425
control 27380*
dogs 3680 72321 28025* 80543* 91235*
horses 63163
man 4553 37522 37580*
transmission 4480 20666 63874 81478 81608
India 55265 55363 92024 92050
Indonesia 20646
Thailand 55311
Turkey 63815*
treatment 90726*
Filaroides infestation SEE Lungworms
Filaroides osleri 45780
Filbert (tree) SEE Corylus avellana
Filberts
advertising 75148
associations 56932*
costs and returns 57922* 58004*
Italy 56932* 84153* 84163*
keeping quality 65776
marketing 48396 65776 75133
nutritive value 58352
Spain 65694*
statistics 75245
storage 65776 75209
Filewicz W 94895
Filicales 9281* 43512* 68315*
Filicin SEE Filixic acid
Filicinae SEE Filicales
Filipin 58945
Filixic acid 33683
Films 11771* 46698* 67171* 76401* 79791* 82631* 85848*
bibliographies 7773 7774 14806 48316 58193 66566 79951
SEE ALSO Audio-visual aids; Motion pictures; Television; Visual aids
Filter press cake 35609 40199 52730 78561 79718*

Item

Filter test 30504*
Filters 13368 78461 84476 7289* 74214* 74325*
Filth test 13728*
Finance 31698 94161 94167 94172 94623 22990* 49020* 66388* 85189*
SEE ALSO Banks and banking; Budgets; Credit: Investments; Savings; UNDER cooperative organizations; Forests; Government; SUBHEAD management, finance UNDER Collective farming; Farms and farming; and SUBHEAD costs and returns UNDER specific subjects
Finch V C 15546
Fincke test 56961*
Finland Metsahallitus 44578*
Finland Valtion Siementarkastuslaitos 94007*
Finschia chloroxantha 41540
Fiorinia 92492
Fique 6538* 84081*
Fir SEE Abies
Fir needles 45084* 45085*
Fire blight
apples 16101 16109 86995
fruit 529 50435
pears 8349 9609 33359 77203 77209 77212 86995 88884 86973*
Fire insurance 40352 53607 56838 57718
Firebreaks 35855 71339
California 10820 17151 44873
Mali 71318*
New Zealand 26952
Uganda 79389
Fireflies SEE Lampyridae
Firelines SEE Forest fires, control, by trenching
Fires 82925
Arizona 88649
causes 10852 64758
control 14214 38596 82922 82927 89847*
Australia 5659 13399 29821
New Hampshire 47262
Western States 71324
prevention 10917 29819 29824
SEE ALSO Forest fires; UNDER Cotton, ginning; and SUBHEAD spontaneous combustion UNDER Feed; Fertilizers; Grain; Molasses
First aid 5679* 18685* 53143* 70979* 91111*
Fish 90303
as pests 37546
bacteria 31250* 48718* 84633*
canned 22948 40236* 75225* 84633* 93808*
canning 31630 66285 31642* 94100*
care and handling 94115
consumption 74438
contamination 85134
cookery 23651 67113
defects 7309*
directories 57609
discoloration 22951*
drying 7328 48971*
feed 19985 20051 20168 36851 63097 63100 80745 91280 91399 91429 36495* 81284* 90546*
flavor and odor 85119
food plants 24069
freezing 14657 22933 31649 48984 57617 57618 94102 7327* 31648* 40218* 57613* 66287* 85132* 85133*

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Item

Fish--Cont
frozen 7330 36851 40234 85123 85127*
in mosquito control 37546
in rice culture 1520 12500 60468 77872 85772*
insect food 12911 29471 37975 46730 55277 55639 55776 63796 64732 82595 12753* 64251* 73506* 81409* 92304* 92305*
irradiation 85130
losses 66015*
nutritive value 7970 76627
packing 84714
pasteurization 48718* 76628* 76636*
poisoning 4348 28791 63796 82595 46346*
processed 57609
Australia 31307
bibliographies 66277*
Canada 14644
France 48970*
Germany 66281*
India 40219 48977
Italy 57608*
Netherlands 75804*
reviews 22935
Spain 7308*
Vietnam 14653*
processing 7315 22931 22932 22949 22950 31627 31638 48986 85119 85134 94115 7309* 7310* 7320* 22943* 22950* 40227* 85121* 85124* 94111*
products 40234 31636*
properties 75405*
quality 85132*
refrigeration 14645 40222 66278 7324* 66290* 66296* 85132*
regulation and inspection 6301* 79830*
salting 7328
sterilization 22949*
tests 84605*
transportation 66015*
vitamins 7957* 76635*
waste
feed 3720 28073 36848 12203* 28603* 45180* 79679* 79680*
fertilizer 35419*
Fish culture 15514 85771 94832 23758*
Fish flour 48136 47664 3049* 49726*
Fish oil 10971* 28604* 72066*
Fish solubles 28210 54735 91467 62299* 91393*
Fisheries Year-book and Directory 57609
Fishing Industry Research Institute Cape Town SEE Cape Town Fishing Industry Research Institute
Fishmeal
analysis and composition 48148* 48154*
feed 20151 20157 20159 27679 30722 36852 48136 72491 72536 72559 90942 6419* 11887* 27258* 36978* 36984* 45178* 45666* 48148* 48154* 55028* 62285* 63224* 63602* 72963* 83974* 83975*
pest control 4731
Fishponds SEE Farm fishponds
Fissan-silver 11338*
Fissidens 737
Fissidens julianus 41506*
Fistula SEE types of fistula
Fitana 21314*

Item

Fitch method 93556
Fitelson reaction 31357*
Fitting H 76720*
Fittonia 78128
Five-Year Plan
Czechoslovakia 66543 74357 14680* 66550* 66599* 79642* 85186* 85428* 90239*
Hungary 70973*
India 7499 14868 14873 22509 40361 40943 44402 44657 79143 80912 81138 84400 85334 85417 85457
Italy 14825* 14857* 40485* 79085*
Korea 76023
Pakistan 48161
Poland 7505* 31907* 90025*
Yugoslavia 2563* 23176* 85396*
Flacherie 46708* 82064*
Flagellatae 77002*
Flagelloscypha 15859 33001
Flakeboard SEE Particle board
Flame ionization detector 55551
Flamethrowers 56231 71153*
Flammodynerus n g 82599*
Flat grain beetle SEE Cryptolestes pusillus
Flat limb
apples 50498
Flatidae 29522
Flavanones 84198*
Flavipin 4
Flavobacterium 89537
Flavofungin 37100*
Flavones 16939
in citrus 22338
in plants 22164 51446 25186* 25197* 42986* 51545* 69174* 69206* 69254* 77780* 88112*
in tea 34256*
in vegetables 22344
Flavonoids 71532
in citrus 39638 91402 93557 84197*
in food 30133 83337*
in grain 6798
in grapes 31513*
in insect physiology 4846*
in nutshells 84185
in parsnips 60337*
in plants 9164 25189 25238 34299 45093 88174 16913* 42551* 43025* 51544* 60290* 77761* 88026*
in tea 39138*
in tobacco 31613
in Vitex agnuscastus 43023*
reviews 83337*
Flavonols SEE Flavones
Flavoproteins 42982 68593 84898
Flavorings 6122 7081 7963 30227 30278 30297 65286 74605 74639 93240 48753*
SEE ALSO SUBHEAD flavoring UNDER specific subjects
Flavoviolet 1347*
Flax
acreage and area 6553
analysis and composition 70544* 77705*
anatomy and physiology 800 9043 16867 42622 43729 87905 1291* 16744* 24905* 34051* 68919* 69083* 69132* 87960* 87973*
biochemistry 16923 60357

Item

Flax--Cont
breeding 69651
Latvia 9443*
North Dakota 51710
Sweden 1536*
Taiwan 43180
USSR 25392* 34467* 34470*
Canada 6529
carding and combing 6550*
conferences and congresses 1524
costs and returns 66616*
culture
Denmark 69472* 69634*
Netherlands 9418* 9441* 43204* 43208* 88472*
Northern Ireland 1529
Spain 27282*
Taiwan 43180
USSR 2364* 9522* 25409* 51725* 51726* 60485* 69451* 69456* 77919*
damage 92824*
disease resistance 41810 51710 34475* 59097* 67798* 77027*
diseases 50206* 58895*
drying 1525* 56197* 92880*
ecology 16224 87143*
farms 14729* 15031* 23269* 66468* 66616*
fat and oil content 42622
fertilizers 35354* 61341* 83068*
fungus diseases 33184 469*
Argentina 59081*
Netherlands 59069*
Poland 86888* 86913*
USSR 34475* 67798* 67853* 70338*
futures 56885
genetics 24767
germination 77505
harvesting 1525* 1529*
equipment 29952* 47412* 56172* 74115* 74126* 92800* 92819* 92821* 92824*
USSR 5761* 13234* 13236* 64894* 75037* 83120* 92801* 92820*
history 30822* 65626*
hybrids 34475* 77916*
injuries 33137
labor 31780* 66468* 66494*
mechanization 13129* 21551* 56067* 73979*
morphology 59457*
New Zealand 13971
nutritional deficiencies 87960*
pest control 55400 63930* 73235* 73237*
pests 46458* 82279*
planting 1644 67754* 69484* 83068*
policies and programs 93514* 94447*
pollen 24644
prices 56885
processing 39492* 75037* 84023*
equipment 48202*
USSR 13236* 13272* 13939* 75037*
products 13968*
properties 75043*
quality 13977* 16744* 51717* 61341* 75037*
seeds 1453 25392* 25409* 34467* 59069* 69456* 77919* 77922*
treatment 469* 50206*
situation and outlook 22232* 30822*

Item

Flax--Cont
soils 69484* 70338*
spinning 93521 13977*
spraying and dusting 55400
statistics
Great Britain 83581
India 40059
South Dakota 6553
storage 56314*
study and teaching 15232* 48202*
terminology 6579*
tests 39568*
textiles 6541
USSR 9440* 13978* 22258* 39488* 65601* 75048*
utilization 65620* 93488*
varieties 7117 9043 9416 16867 17119 59457* 69634*
Austria 88475*
Canada 51728
Czechoslovakia 69132*
Denmark 69472*
Italy 17102*
Netherlands 9418* 43208* 88472*
Northern Ireland 1528
Rumania 75498*
South Dakota 60491
Texas 17130
USSR 34469* 34475* 43199* 51714* 59097* 87973* 88478*
virus diseases 50480 68009
waste 26356*
weed control 1922*
Canada 43729
Japan 78213*
Northern Ireland 78220
USSR 1904* 25873* 25875* 25935* 29988* 52200* 61013* 70080* 89289*
yields 42622 70544* 87143*
Bulgaria 61341*
Iraq 1644
South Dakota 6553 60491
USSR 2364* 51717* 87973*
Flax Institute of the United States 1524
Flax straw 16744*
Flaxseed
analysis and composition 17119 31341 40041
fat and oil content 40082
feed 27282*
prices 30787
processing 22223
properties 40082
quality 31341
situation and outlook 14478 30787
statistics 22652
storage pests 20862*
Flea beetles SEE Chrysomelidae
Fleas
abnormalities 38592*
Africa 29800 13096*
anatomy and physiology 5615 5640 21494 47235 4516* 5610* 56044* 64712*
and disease 81589 92015 37597* 63829* 63849* 91998* 92011* 92018*
reviews 81605
Arab countries 38032
bites 20634
Burma 38571
California 81589
Cameroun 38570*
Canada 82857
China 38571 38573 38575*
collecting and preserving 5638 56035* 64744*

*Text of this reference is not in English.

Item

Fleas--Cont
collections 5644 38571 64726
Colorado 82901
control 12431 20658 37540 37597* 55314* 55372* 73186*
Australia 28948
California 28909 64043
India 28918
Washington 4462
Czechoslovakia 4563*
Delaware 4574
dissemination 81508*
Ecuador 64738
evolution 82904
Finland 64727
Great Britain 4489 4550 5596 5644 37601 73906
habits and behavior 5605*
hosts 4488 4490 4550 4574 4583 12430 28019 28878 37579 63828 73906 81574 82857 82877 82901 82904 82912 92008 92664 20678* 55362* 63829* 73885* 81508* 82911* 92011*
Illinois 4583
illustrations 64726
Indiana 37609
insecticide resistance 4328 28810
Japan 82904
Kansas 37579
larvae 56033*
Lebanon 92664
Netherlands 82912 82911*
North America 37549 46391 63828
nutrition 5615 73887 20678*
Palestine 5075
parasites 64712*
Poland 82877
populations 55362*
predators 12395
rearing and breeding 73887
Rumania 73913*
Scandinavia 64727
Scotland 4488 4490
taxonomy 29800 56041 64726
USSR 13084* 92011*
Flemingia congesta SEE Flemingia macrophylla
Flemingia macrophylla 63758
Fletcherea n g 38519*
Flexadil SEE Gallamine triethiodide
Flies
anatomy and physiology 46963 82358 82401 92421
and disease 4557 5156 12405 28917 46421 20619* 28916*
Australia 73142
Colorado 73177
East Africa 63818
Finland 28894 28895 37575
history 37552 46396*
Papua and New Guinea 4520
Sudan 81600
USSR 12436* 55354* 63852* 73180* 82410*
Virginia 37552
Wisconsin 4456
as parasites 92077
as pests 4564 62595 4504* 81660*
as pollinators 73673*
as predators 82415

Item

Flies--Cont
bites 4564
bloodsucking 73142
breeding places 46386 81582 82430 46945*
California 82409
Great Britain 20633
Hawaii 4591
Israel 12377
collecting and preserving 5171 82446*
Connecticut 82441
control 4472 4473 20866 37509 73150 73331 73355 81582 37649* 73147* 92001*
Australia 55346
California 28935 81466
Colorado 55268
Connecticut 81573
equipment 4734 20639 55369
Germany 20648* 46491*
Great Britain 20633 73076
history 46396*
Honduras 55306
Norway 4569* 73119*
Pennsylvania 73169
study and teaching 55356
Sweden 4501*
tests 12387 20649* 55271*
USSR 4503* 37611* 55253* 55308* 63852* 73161*
Washington 81460
Wisconsin 63822
Czechoslovakia 73143*
dissemination 81463
eggs 82430 92444 82446*
Great Britain 92432
habits and behavior 55799 55820 21233* 82389* 82400*
identification 5171 55356 55793
illustrations 55817*
insecticide resistance 28758 55377 73118 81466 46374* 91966*
larvae 5171 82358 82402 82430 55817*
as pests 63938 20869*
migration 64455*
nutrition 21247 46963
outbreaks 73143*
Palearctic Region 21211* 55801* 92454* 92455*
Palestine 5075
parasites 73671 73778
populations 73670 38179*
predators 4918* 82608*
pupae 73778 82430 55817*
rearing and breeding 81701 82370 82402 92077 92463
surveys
China 38179* 38196* 38246*
Czechoslovakia 5094*
Israel 12377
Maryland 81726
USSR 73708*
Flindersia acuminata 11109
Flindersia pubescens 71583
Flocculation 54977 418* 3119* 46281* 54261*
Floods 44423
Australia 9498
control 2438 26383 26401 26470 26522 26568 44479 70485 70767 26513*
Arizona 10431
Australia 2447
California 10377

Item

Floods--Cont
control--cont
China 26491
conferences and congresses 2379
equipment 18589
Europe 2403
Florida 18438 18447 18454 18460 18533 18548 18558
France 79373*
Germany 26402* 35517*
Great Britain 26461
Greece 53056*
Hungary 44407
India 2403 26384 26493 26554
Italy 35457*
Japan 26502
Mexico 61488* 61582*
Mississippi Delta 2196
Netherlands 70805 70824 10397*
New Mexico 26575
New Zealand 2489
Oregon 18512
Pakistan 26385 26386 26469
Poland 26418
Portugal 26412
Portuguese Guinea 26507
Spain 26520
Switzerland 26479*
Turkey 26466
USSR 26436 2485*
United Arab Republic 26580
Western States 53022
Yugoslavia 70771* 78931*
Dahomey 35348*
effects on forests 87180*
effects on insects 55932 81935
effects on plant disease 58819
effects on plants 87545 67759* 77724*
effects on trees 26947 61979 71289 71307 10668* 90257*
France 78801*
French Broad Basin 39786
Germany 61479* 65253* 65682* 70765*
India 17015
Italy 10411*
Nebraska 2432
prevention 18547 70771*
Turkey 35589*
Yugoslavia 10406* 71239*
Floors and flooring 38794 38828 13353* 38831* 64991*
concrete 38808*
plastic 30058*
slatted 28532 28548 30041 30047 38797 38825 56276 64989 74291 30055* 38805* 56271* 56279* 83244* 92965* 92976*
reviews 92977*
wire 38796 64985 74291
wood 5839 10894 11007 19235 35997* 45023* 71486* 79508* 90389*

Flora
Afghanistan 67386*
Africa 156 41315* 41340* 76909*
Alaska 23916 41345
Aleutian Islands 23916
Amazon Basin 58701*
Andaman Islands 23928
Angola 67396* 67399* 67401*
Antarctic Region 41320*
Arctic Region 41345 49985 58483
Argentina 49986*

Item

Flora--Cont
Asia 1993 15694
Australia 15693 15696 15706 67383
Austria 86402*
Belgium 41370 41336*
Brazil 87219 87305 23908* 58490* 58598* 76900* 86397*
Bulgaria 58574* 58575* 58579* 58583* 58589* 58590* 58591* 58606* 58607*
Burma 86362 86404
California 32636 49983
Canada 15707 41338 76906 24522* 58593* 76960*
Cape Verde Islands 41339 23854*
Capricorn Islands 41327
Cascade Mountains 86392
Central America 32722
Chad 86445*
Chile 50000
Clipperton Island 76915 86409
Colombia 23952*
Colorado 41344 50009
Commander Islands 23916
Comoro Islands 58586*
Cuba 67377 41317*
Czechoslovakia 23917* 23920* 23925* 32706*
Denmark 23914* 23923*
Dominican Republic 49995
East Africa 41407 24010*
Estonia 15680* 32719* 67516*
Euboea 8183*
Europe 32711 49993 76918 41323* 86403*
Farallon Islands 15698
Finland 50610* 58603* 67388*
France 8189* 23909* 49989* 76917* 86389* 86390* 86391*
Ganges Basin 32717
Germany 41343* 58601*
East Germany 86400* 86406*
Ghana 50046
Great Barrier Reef 76912
Great Britain 15688 32674 41286*
Guatemala 33585 67400 86411
Hawaii 51557
Himalayas 76913
Hispaniola 58588
Hungary 15691*
Idaho 15686
Illinois 75 49991
India 4401 23927 25921 29156 32716 41331 41335 41342 41456 50058 58659 59425 67387 67398 86404
Indiana 76908
Iowa 49988 49991
Israel 50011
Italy 23933* 23934* 49986* 58571* 58572* 58577* 57578* 58581* 58596* 58726* 59345* 67380* 67385* 67397* 87154*
Japan 16334 49997 86398 12963* 12966* 32703* 32704*
Jordan 50011
Kansas 41241
Kenya 71
Kerguelen Islands 23950*
Laos 58608*
Latvia 15700*
Lithuania 58683*
Luxembourg 41333* 41341*
Mackenzie Mountains 41337

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Item

Flora--Cont
Malagasy Republic 58586*
Malay Archipelago 32721 32790 32852 32853 32854
Malaya 15690
Marshall Islands 69 644
Mediterranean area 67349 67345* 86403*
Mexico 33585 49935 50004*
Middle Western States 86399
Missouri Basin 50642
Morocco 86410*
Netherlands 8180* 8181*
Netherlands New Guinea 64525
New Caledonia 32702*
New Hampshire 8174
New York 58592 67384
New Zealand 8176 8177 34259 34260 86386
Nicobar Islands 23928
North Africa 32713* 58594* 86407*
North America 72 86398
North Frisian Islands 15689*
North Carolina 32697
Norway 76911*
Ohio 32699
Oklahoma 41325
Oregon 99 86489
Pacific area 32856
Pacific Northwest 70
Pakistan 8187 15705
Pennsylvania 76919 86408
Peru 32712 86401 50008* 77328*
Poland 81* 139* 32698* 32701* 32710* 32718* 32843* 58587* 58604* 58727* 67393*
Portugal 23913* 23919* 32700* 67438*
Portuguese Guinea 32720*
Republic of South Africa 74
reviews 41324*
Rhodesia and Nyasaland 82106
Rocky Mountains 86388
Rumania 41323* 67344* 67395*
Sahara 86407*
Santa Cruz Mountains 15708
Scotland 32705
Senegal 67319 76898* 76899*
South America 41375
South Dakota 23912 23931
Spain 41329 76904*
Spanish Sahara 49990*
Spitsbergen 58600
Sweden 33554* 58597*
Switzerland 23921* 41365* 58585* 76940*
Taiwan 9243*
Texas 41405 86468
Thailand 80 32696
Tropics 32722 41346 50753 67366*
Turkey 41326 67381
USSR 15704 41334 73* 8178* 8179* 15699* 15701* 23918* 23935* 32724* 41316* 41318* 41319* 41322* 41324* 49996* 58580* 69254* 76905* 87229*
Virginia 49999 58570 86417
West Africa 41271 23907*
West Indies 50002
West Virginia 72 8186
Yugoslavia 15692*
SEE ALSO Cave flora
Flora Europaea 49993 50006
Flora Kazakhstana 41318* 41319*

Item

Floranid 61645*
Florida Agricultural and Mechanical University 23479
Florida Agricultural Cooperative Marketing Associations 65119
Florida Agricultural Experiment Station
Dairy Research Unit 90883
directories 23833
report 94947
Florida Anti-Mosquito Association 37536
Florida Board of Forestry 10566
Florida Cattlemen's Association 91154
Florida Citrus Commission 75137
Florida Citrus Exchange 30895
Florida Council of Farmer Cooperatives 66998
Florida Dept of Agriculture
Fruit and Vegetable Inspection Div 39706
Florida Forest Serv 10566
Florida State Horticultural Society 60625
Florida University
Agricultural Extension Serv 23488
Florideae 32913 50111*
Florists
directories 14656 66303
Floscopa 32742
Flour 22535
acids 93692*
advertising 57206
analysis and composition 14246 22456 22531 48509 48518 57172 65905 65954 75256 6856* 14280* 31118* 37789* 39814* 39877* 48502* 48548* 48558* 65902* 65903* 75257* 75260* 84511*
baking quality 6754 6777 57166 6757* 6805* 14292* 22503* 31119* 39814* 39830* 65854* 65855* 75316* 75322* 75339* 75340* 84475* 93726*
reviews 93682*
care and handling 48525 48536
chemistry 6789 14300 57173
color 65954 6856* 39877*
contamination 14225 75318*
defects 57192 22510* 75333* 75334*
enzymes 65854* 65855* 65912*
fat 65901*
Finland 84475*
fortified 7964 13545 39848 58353 7958* 49726*
grading and standardization 39848 22525*
hydrogen-ion concentration 84501*
irradiated 57166 31104*
marketing 65916 84483
microorganisms 14233 14276*
moisture 63695* 84489* 93726*
Netherlands 75366*
nutritive value 76622 49715* 86081*
reviews 48548*
particle size 22463 84523
pest control 37767 46623 55532 81841 64040*
pests 38078 29126* 46625* 81835*

Item

Flour--Cont
prices 39858
processing 6791 19982 48566 57190 14252* 48532* 75285* 75318*
France 39818*
Germany 14304*
Great Britain 6767
Morocco 84478*
properties 48546 57169 57173 93742 93743 31122* 39824* 93723* 93726*
proteins 22456 22499 22526 31091 48504 57169 84498 39830* 39851* 65862* 68697* 75257* 75322*
quality 48584 14261* 14262* 65911*
France 22474*
Germany 31165* 31166* 31167* 31168* 93701*
regulation and inspection 93732 31100*
spoilage 6836 75330
storage 48536 6835* 48532* 84502*
pest control 14225 37768 46621 57182
pests 37789*
temperature 29126
tests 31120 31125 31192 39861 57207 93743 6757* 14261* 14262* 39803* 65856* 65925* 75345* 84416* 84454* 84477* 84501* 93684*
equipment 31091 84523
trade 58300 94750
Poland 94788*
transportation 48525 31082*
types 31165* 31166* 31168* 65867* 75260* 75349*
vitamins 48518
SEE ALSO kinds of flour
Flour beetle SEE Tribolium
Flowerpots 43478 43572 70094 1770* 43532* 60628*
SEE ALSO Planting bands and pots
Flowers
advertising 57040*
arrangement 1826 43469
directories 66302
grading and standardization 48398
industry 22930 48969 66279
Connecticut 31629
Florida 65672 66300 75808
Italy 14650* 22943* 31640* 40215* 85120* 85128*
Netherlands 7311*
Spain 57610*
keeping quality 89078
marketing 7326 22936 40216 66297 66299 75793 84273
Belgium 7329*
Florida 14655
Illinois 14646
Italy 7313* 7316*
Netherlands 31643*
Norway 48975*
packing 85277 57040*
preservation 14654 22939 31634 48979 48981* 48983* 94112*
shows 17501 17524 9694*
State 86294
statistics 57611 66279 85135
storage 57107 57612 94105 48980*

Item

Flowers--Cont
trade
France 67051*
Norway 49621*
transportation 57612
Flukes 27439 55800 3122* 12123* 28254*
SEE ALSO Intestinal flukes Liver flukes; Lung flukes; Rumen flukes
Flumes 70706*
Fluorescein 60226*
Fluorescence
animals 37085 63051
eggs 84865*
insects 5122* 5321* 5458*
plants 1058 1118 16560 25220 88015 8980* 87748*
poultry meat 22762
soils 35178
Fluorescence analysis
animals 45275*
dairy products 83774 39279*
feed 22144*
insecticides 4435
oils 57351*
plants 2154 16912 88135 33154* 67640*
reviews 42612*
soils 2153
starches 21778*
tobacco 31612
Fluorescent antibody technique 16140 19448 20745 28820 36238 54410 62342 62383 62389 80358 83799 91989 20540* 63802*
Fluorescent light
effects on meat 74392*
effects on plants 976 17452 32649 43541 43568 16685* 42738* 59997* 68774* 87628*
Fluorescent microscopy SEE Microscopy, fluorescent
Fluorides
determination 93475
effects on plants 25171 50186 59939 60138 68839 68841
in cattle physiology 36645
in fruit 84219
in grasses 93475
in poultry nutrition 28197
in vegetables 84219
in wood 90348*
toxicity 80184
Fluorine
determination 82015*
effects on plants 43007* 67672*
effects on trees 19030
in cattle physiology 62734
in feed 6417*
in food 61152*
in forage plants 45506
in plants 24843 68613
in soils 26259* 61152* 68613*
in water 26409* 61152*
toxicity 53799 53830 67672*
bees 37851* 55602*
cattle 27735*
reviews 84219
Fluorine compounds 19176*
reviews 44988
Fluorite 70503*
Fluoro-9 alpha, hydroxy-16 alpha, delta-1 dehydrohydrocortisone 28043*
4'-Fluoro-4-(2-methoxyphenyl-piperazine)-butyrophenone SEE Haloanisone
Fluoroacetamides 73280
Fluoroacetate 25924 78415 86602*

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Item

Fluorocarbon 45291 72703
Fluoro-chromium 55557*
Fluoro-chromium arsenate 55557*
Fluorodeoxyuridine 33734
Fluorometry 84409 93460 93518
p-Fluorophenylalanine 3959 67767
9 alpha-Fluoroprednisolone 80287
Fluorosis SEE Fluorine, toxicity
Fluosilicic acids 2857*
Flury P 41160* 49812*
Fly ash SEE Ashes
Fly speck
  apples 77156
Foals
  anatomy and physiology 91322*
  care 3742
  degenerative diseases 45838*
  diseases 55260 63146 3780* 63152* 63167* 72428*
  feeding and nutrition 28091 54614*
  growth 36874*
  infectious diseases 28121
  injuries 3770 80651
  mortality 55260
  parasites 80253*
  weaning 36874*
  weight and measurement 20085*
Foaming agents 56459 57394
Fodinoidea 38515*
Foeniculum 24315 12743* 39603*
Foersterella 47071*
Fog 19055 79395*
Fokienia hodginsi oil 2941
Folex 1535*
Folger A F 49830*
Foliar diagnosis 18342 18359 18368 18383 24843 26207 26227 26306 35170 35282 44272 51184 52528 52741 52746 52824 61332 61342 70663 77704 78664 89781 52792*
  Acer saccharinum 2690
  African oilpalm 78691*
  apples 44155 78644 78735*
  Aster 70592*
  avocados 33844 61423
  bananas 68583 78570
  beans 52796
  Betula papyrifera 79242
  cassava 44167
  cherries 10289 35303
  citrus 78569 35301* 60139* 68990*
  coconuts 61456 68961* 78691*
  coffee 26288 26325
  corn 89682 35388* 89777*
  cotton 18257 89683
  currants 78716*
  field crops
    bibliographies 2267
  fruit 10268 26315 18290* 89745*
  grapes 35342 78627* 89678*
  Hevea brasiliensis 10283 44153 10191*
  Ilex crenata 35371
  Juglans regia 18356
  jute 10219
  Larix leptolepis 53332
  legumes 2349
  Magnolia grandiflora 35371
  Mathiola 70592*
  oranges 89752
  peanuts 78691*
  Picea 71161 79244 79252 44776*

Item

Foliar diagnosis--Cont
  pineapples 35361
  Pinus 25169*
  plums 35303
  potatoes 52859
  rape 35369*
  Satsuma oranges 26281*
  sorghum 18257
  strawberries 78574
  sugar beets 89776
  sugarcane 35423
  sweetcorn 52796
  tomatoes 78654 52720*
  trees 53346 61446 90168*
  vegetables 35325 89775
  wheat 70501*
Folic acid
  in duck nutrition 80755*
  in duck physiology 12007
  in insect physiology 21165
  in plants 87959
  in poultry physiology 54820* 82537*
  in sheep nutrition 12088
Folidol SEE Parathion
Folinic acid 12007
Folklore 49457 32156*
  SEE ALSO SUBHEAD in folklore UNDER specific subjects
Folkmanova B 23790*
Follicle-stimulating hormone 63518
Follicular fluid 36713 80635*
Folliculitis 46237*
Follwell J H 67197
Folsomia 21508
Folsomia candida 82892
Folsomia similis 38586
Fomes annosus 396 8467 41749 41928 50265 67824 67877 10974*
  anatomy and physiology 60071* 68911*
  Coniferae 33193 41844 50340 50392 59016*
  Larix 16009*
  Picea 67952 50379*
  Pinus 33233 41897 86753 50374* 79312*
  trees 463
Fomes applanatus 77810
Fomes fomentarius 16088
Fomes fraxineus 24255*
Fomes igniarius populinus 50311
Fomes lignosus 41778 41779
Fomes pini 24283 62091 41833* 90355*
Fomitopsis SEE Fomes
Fondazione per la Collina Italiana 85354*
Fondo Ganadero de Antioquia 93779*
Fonds d'Investissement Agricole (Belgium) 23007* 49031*
Food
  additives 47727 56424 65077 65154 65159 65162 74482 83463 83466 83474 93088 93100 93252 93732 65171* 65177* 65215* 74536* 84691* 93093*
    conferences and congresses 65098
    determination 65067 65070 65082 65085 65185 65186
  adulteration 30226* 38897* 38987* 38992* 47723* 47736* 83361* 83470*
  advertising 5971 30220 47709 47712 93071
  analysis and composition 5930 5933 5934 5939 5941 13447 13450 13532 21781 21793 21799 30125

Item

Food--Cont
  analysis and composition--cont 30127 30133–30135 30140 38892 38894 38902 47652 47656 47665 47671 47672 56341 56347 56355 65360 65066–65068 65071 65073 65077 65080 65082 65088 65095 65097 74397 74401 74402 74405 74408 74411 74415 74417 74420 74427 74428 74429 74432 83321 83326 83328 83329 83364 83369 93030 93031 93033 93034 93036 93039 93047 93052 93054 93308 5942* 13446* 13448* 21776* 21780* 30124* 30129* 30136* 30144* 30440* 38885* 38886* 38889* 38890* 38891* 38897* 38898* 38905* 38906* 38908* 47642* 47645* 47647* 47669* 47670* 56344* 56358* 61256* 61261* 65072* 65074* 65079* 65081* 65086* 65091* 65096* 74400* 74423* 74430* 83333* 83334* 83340* 83348* 83359* 83361* 83508* 93032* 93035* 93043*
    conferences and congresses 65098 21794*
    equipment 38886*
  and disease 56433
  associations
    Austria 38877*
    Canada 65051
    directories 40891*
    Germany 30106* 30123* 38870*
    Hungary 47626*
  bacteria 13503 21779 21795 47649 74399 74493 83321 83327 83330 83331 83338 83343 83351 83355 83510 5940* 22067* 30137* 30145* 31279* 38911* 47657* 47744* 56359* 65094* 65208* 66036* 83352* 83480*
    conferences and congresses 47666*
    reviews 56357
  bibliographies 83305 94873 49698*
  canned 21882 47771* 76623*
    analysis and composition 93050*
    bacteria 74419* 83356*
    Canada 6032
    Chile 39059*
    color 30281
    conferences and congresses 39064
    consumption 13451*
    containers 47758 83495 83509 83538 39003* 65181* 74495*
    contamination 74476*
    directories 21891
    flavor and odor 30281
    France 13525* 30287*
    grading and standardization 30228 93097*
    Great Britain 47782
    history 56454
    Hungary 65220*
    Japan 20871*
    legislation 30228
    moisture 83356*
    nutritive value 49714*

Item

Food--Cont
  canned--cont
    quality 38994*
    sanitation 83524 56457*
    statistics 83556
    sterilization 65232 83538 21897* 47784*
    tests 38994* 74422*
    transportation 13472
    USSR 13549* 83636* 85070* 93097* 93164*
    vitamins 74422*
  canning 6034 21872 65232 83509 23676* 56467* 56465* 65209* 83561*
  care and handling 21814 21818 21880 56495 65112 65241 39045* 93076*
    conferences and congresses 83424 83542
    equipment 30276* 30292*
  chemistry 30127 47748 83324 21774* 38901* 56345* 65065* 65248* 93156*
  color 30244 56481 75644 83369 56426* 65093*
  coloring 1343 6029 6033 13524 30221 47728 56470 74402 93033 93045 30144* 30248* 56418* 74418* 74423* 74540* 83491*
  concentrated 23696 47786 74393* 76633*
  conferences and congresses 30106*
  consumer preferences 5951 6033 30147 30150 38916 47752 49669 56371 56372 58316 30245* 56420*
    Canada 38917
    Great Britain 21801
    Japan 83376*
    Nigeria 74445
    South Dakota 21805
  consumption 5950 5957 13452 13486 21800 21803 21806 30149 30152 32457 32458 38914 38918 47689 49673 65102 74447 83374 5956* 65255* 74384*
    Africa 47678 65104
    Alaska 13467
    Australia 65251
    Canada 74442
    Cuba 49173
    Czechoslovakia 56377* 65110*
    Europe 83372*
    European Economic Community 38920* 93021
    France 83518*
    Germany 47676* 86043*
    Great Britain 5953 5954 74441
    Hungary 56377* 65110*
    India 32141*
    Indiana 74440
    Italy 30151* 38920*
    Japan 13455 83370*
    Michigan 83373
    Mississippi 5952
    Netherlands 7935
    Pennsylvania 83373
    Peru 47679*
    Poland 65107* 66012*
    statistics 13458
    Sweden 5955*
    Tropics 47678
  containers 6009 6015 6017 13513 21861 21894 30252 30256 30257 39007 39009 47761 47762 56437

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Item

Food--Cont
containers--cont
65182 65184 83496
83499 83503 93109
21855* 39004*-39006*
39010* 39065* 47753*
47759* 56440* 65179*
83492* 83493* 83508*
93104* 93107*
contamination 5941
5990 6001— 6003
6005 6008— 6010
13447 13494 13496
13513 21793 21797
21841 21843 21846
21847 21849 30134
30135 30224 30225
30229 30230 30237
30238 30241 30243
30250 30258 38902
38974 38975 38989
38990 38991 39001
47726 47730 47738
47743 56355 56356
56424 65080 65088
65097 65150 65163
65174 74484 74487
74490 74494 83350
83451 83459 83466
83471 83488 92211
93031 93037 93048
93052 93088 93101
3136* 12343* 13498*
20871* 21780* 30235*
38876* 53861* 53945*
54041* 56422* 65072*
65086* 65091* 65147*
65151* 65155* 65158*
65175* 83340* 83361*
83448* 83449* 83452*
83462* 83473* 83489*
83508* 91953* 93090*
93094* 93095* 94846*
Austria 47737*
conferences and congresses 83484*
Germany 47737*
Great Britain 56421
83461
Hungary 65084* 93087*
legal aspects 6762
Poland 91969*
reviews 65170*
Sweden 14212*
USSR 74497*
Yugoslavia 83480*
cooked 6055 83557*
frozen 21887 38900
65243 83528 65106*
74542*
SEE ALSO Cookery
cooperatives 47706 13485*
38884*
Czechoslovakia 47639*
directories 30111 93027
Belgium 5915*
Canada 5914 21878
38873 65051
France 76558*
dried 83550* 93149*
analysis and composition
74431 21777* 74421*
care and handling 93167
consumer preferences
74443 83377*
moisture 30142 93051
21787*
packing 93110 21787*
sanitation 39044
transportation 13477
drying 6055 39044 47772
13551*
emergency 5922 5924
15463 22437 31063
38872 41129 41149
47629 47640 47641
47807 49701 65053
65055 65059 65064
86062 86049*

Item

Food--Cont
enzymes 74516 84386
21774* 74418* 83334*
extracts 5948
faddism 67128 76617
86064 86065*
flavor and odor 21898
30223 38910 47748
49669 56481 65285
93040 5989* 13498*
21854* 47733* 56426*
69186* 83456* 83493*
93032* 93105*
conferences and congresses 47724
reviews 30249
flavoring 74481*
fortified 5933 7959
15469 23687 32470
32482 48767 67140
74405 83371 32471*
49731* 76623*
freeze-dried 13542 93145
93154
enzymes 65164
packing 6020 13515
56435 65183 93108
reviews 83501*
spoilage 65164
freeze-drying 6027 6043
6049 6054 13556
21899 21900 30283
30285 39038 39062
47774 47776 47794
56463 74521 74530
83533 83553 93146
93148 13552* 14155*
30293* 39049* 39057*
39067* 39991* 56486*
74518*
conferences and congresses 56483 83532*
equipment 21877 47797
56471
freeze-grinding 65351
freezing 6051 13559
13560 21852 21895
39061 65242 74509
6058* 23676* 39039*
56466* 65229* 65248*
83531*
bibliographies 6056
47781
equipment 74545 83552
home 6059 13550
21883 21890 39066
83536
frozen 6046 6059
39034 39041 47688
56476 56491* 83525*
advertising 38939
associations 39031
bacteria 5944 13507
13559 13560 21782
38900
California 6047
care and handling 13484
13537 21880 21885
39047 39050
consumer preferences
21802 83375
consumption 5960
containers 6013 21856
83498 83505
defrosting 7330 13534
38900 39047 65231
85123 21889* 74542*
directories 39040 39041
65233 93159
Europe 6060 83568
93168
France 65199* 65200*
74541*
Germany 65106* 74547*
grading and standardization 13504 13507
Great Britain 39048
hydrogen-ion concentration 13563
judging 21802

Item

Food--Cont
frozen--cont
keeping quality 30231
39046 30232* 47739*
65089*
marketing 5978 5981
13484 21822 38924
38926 39074
bibliographies 6056
statistics 38935
Massachusetts 6007
microorganisms 5932
13504
reviews 5998
Norway 6038*
nutritive value 74547*
packing 13510 83500
83506 83507 83512
properties 39648*
quality 21853 38988
39047 65168*
regulation and inspection 6007 13504 21852
38995 56431*
reviews 5998
sanitation 13559 13560
21885
situation and outlook
6046 13546 39033
39036 39037 39040
39061 39068 74531
74538
statistics 39040 39041
storage 6026 13537
13563 74547*
statistics 74545
temperature 6031
13534 39046 83413
Sweden 13566*
temperature 5945
5970
transportation 5970
5977 13480
by rail 38923 56400
65118
by truck 5965 56400
83413 83438
Western States 93169
fumigation 64037
Germany
East Germany 47628*
grading and standardization
5996 13503 47656
47729 83453 83454
48677* 84694* 93086*
international 47719
Poland 83487*
habits 15462 58327
58343 58345 58346
67118 76615 76618
76620 15460*
Austria 15459*
bibliographies 83305
Central America 49706
Ethiopia 49708
Europe 76616*
Far East 86051
history 49710 76619
India 15461 32141*
Indonesia 49709
Kentucky 76621
Near East 86051
Nigeria 32460
North Africa 49708
Norway 7956*
Pacific area 49707
Panama 49706
Pennsylvania 58344
research
statistical methods
49705 41068*
Southwestern States
49850
Tropics 49423
Venezuela 49711* 49712*
Washington 41067
history 5920 15457
49850 30226*
home production 30110
21772*
in literature 21770

Item

Food--Cont
in philately 47625
India 23692 76661
industry 3160 47627*
74384*
Austria 56334*
Belgium 21769*
California 66627*
European Economic Community 38920
Germany
East Germany 31656*
39045*
Great Britain 83302
horizonal integration
74392*
Hungary 47626* 47630*
65050*
Italy 38920*
Poland 47634*
public relations 7433
13433 38988
sanitation 6042 30288
47782 56485 57058
65203 74465 39000*
65223*
South Dakota 13431
Sweden 79427*
USSR 83319 5926*
13427* 47632* 83304*
83312* 83314* 93020*
vertical integration
13432* 74392*
ingredients 21898 30234
65216 39073*
introduction 30167 30183
irradiated
chemistry 83335
conferences and congresses 83558
containers 83511 93114
Europe 56480
flavor and odor 75471
83335
Germany 47789
Great Britain 56489
83565
hazards and safeguards
21842*
microorganisms 83563
sanitation 65219*
irradiation 7973 13526
13565 30298 30299
47785 47792 47793
47799 47800 47801
47802 47806 47808
56475 56477 56482
56487 65225 74414
74526 74543 83316
83537 83538 83540
83563 86120 93166
24708* 30294* 39042*
56476* 56479* 65211*
65219* 65240* 74520*
74529* 74544* 83545-
83547* 93162* 93165*
judging 47721 47722
47750 65149 5989*
21854* 30236* 39002*
47732* 47733* 56420*
74488* 83456* 83475*
keeping quality 21786*
labeling 6014 6021
30220 30234 38917
47752 47761 56439
74480 93109
Latin America 13450
legal aspects 13495
legislation 6762 30113*
losses 74515
marketing 5987 21816
21817 21823 21835
21852 30152 30164
30167 30183 30203
30215 38925 47692
47712 56394 56402
56405 56409 74386
74457 74462 74780
74803 83405 83428
93056*

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Item

Food--Cont
marketing--cont
costs 38942 65112 74473*
equipment 5962
Europe 21808 58277
Florida 56404
Germany 13429*
Great Britain 74465 83417
Hungary 83442*
Kenya 13459
legal aspects 30224 30199*
legislation 65120
Mississippi 30155
Netherlands 47705 83427*
New York 5973 21827
Pakistan 93074
Rhode Island 5986
statistics 13553 47689
microorganisms 5996 13565 47805 65092 83367 47771* 74434* 74527* 93152*
moisture 21774* 30279* 65087*
molds 19443 39054*
nutritive value 7963 15463 23692 23696 39056 49732 56341 74383 86082 94818 6053* 41077* 86075* 86087* 94813*
packed 93112 93096* 93105*
packing 13511 13512 21857 21858 30252 30254 30255 30258 31368 39007 39012 39013 39015 47754 47763 56425 56438 56439 83504 83510 93106 93108 93111 93112 93115 93140 30259* 93102*
Canada 38917
Europe 6016
gas 93103
Germany 30253*
legal aspects 6009 6010 6019 6021 39011
Rumania 74496*
USSR 65121* 74497* 94813*
pasteurized 47792 74529*
periodicals
bibliographies 65052
pest control 20868 64036 64037 64061 73331 73343 81858 81864 83652 73344*
Australia 64060
Austria 74515*
Canada 29127
equipment 55547
France 55529*
Michigan 64042
Spain 56472*
pests 55545 64054 73347 73579 74494 92211
Australia 12413 55554
USSR 64053*
policies and programs 14929 15603 30112 30115 30181 32299 41000 47640 48822 49199 56333 56406 57887 65053 65055 74389 75988 83300 83316 5925* 7549* 38880*
Australia 67140
Brazil 83313*
Bulgaria 93024*
Ceylon 21768
developing areas 66377
international 93022*

Item

Food--Cont
policies and programs--cont
Pakistan 13530
Poland 38884* 93170*
Rumania 83308* 93025*
USSR 83317
preservatives 5939 6036 22951 30286 39769 56982 57051 65423 74546 83309 6058* 13548* 21896* 22336* 30235* 31238* 38897* 38993* 39054* 39710* 40114* 47647* 47795* 56473* 56488* 57083* 65214* 65215* 66061* 75192* 83322* 84902* 85121* 93161*
pressurized 13823 21862 56442* 56724- 56726*
prices 6025 30114 30149 30215 39007 39022 39025 39028 47768 56394 74504 83514 93133
Bulgaria 93122
France 74502* 83518*
Germany 74473*
East Germany 74501*
Great Britain 74499
Hungary 83442*
Oregon 21868
Pakistan 31735
Sweden 6024*
processed 7948 13528 47791 83539 93088 93140 93151 13557* 74511*
analysis and composition 21791*
conferences and congresses 13558 56467 83541
consumption 74448
containers 6018
contamination 38986
Denmark 39053*
France 6030*
Germany 74535*
marketing 38938 56391 65122
microorganisms 40118 74413*
nutritive value 47777* 76632* 83548* 83549*
Pacific Northwest 83564
prices 6022 38938
quality 38938 74489* 83483*
Republic of South Africa 74537*
spoilage 13406
statistics 13528 13553 56496 39053*
Switzerland 13533*
vitamins 74510*
processing 6028 6035 6050 6057 13526 13532 13538 13547 21871 21886 30273 30304 30305 39029 39077 47798 56351 56456 56459 56464 56481 56492 56632 65207 65218 65222 65234 74516 74524 74534 83367 83521 83543 84386 93155 6053* 6058* 21873* 30284* 39043* 39070* 39071* 39072* 39080* 47790* 74527* 74528* 74532* 83535* 83548* 83549* 83566* 93141* 93152*
Africa 13522
Arctic Region 38976

Item

Food--Cont
processing--cont
as an occupation 65226
Australia 6041 21874 30301 56455 93160
Brazil 39071*
Canada 65228 83554*
costs 56496 74473*
developing areas 13541
dictionaries 23648
directories 21878
equipment 21901 39075 47804 21881* 65249* 83530*
France 21884*
Germany 56417*
history 6044
India 65198 65203 65236
Japan 30274
Pakistan 13530 83559
Poland 39080*93147* 93156* 93170*
Republic of South Africa 93143
reviews 13539 13842
Rumania 74508*
study and teaching 56497 83567 47796*
Sweden 74514
properties 56351 83324 83357 65083*
proteins 7959 32482 40181 48822 49732 76632 5942* 38906* 47670* 74400*
purchasing 13456 21807 38919 38925 38969 56365 74448 83412 74467*
quality 47656 47729 56371 56412 74483 13493* 30226* 83457*
refrigeration 47800 65205 65245 74533 83560 13540* 21888* 30279* 30296* 56468* 56469*
France 30277*
Hungary 65238*
Norway 6038*
Republic of South Africa 93144
reviews 5998
USSR 93158
regulation and inspection 5988 5993 5995 6002 13501 13509 30125 30219 30221 30222 30227 30234 30254 30255 38974 38975 38983 38998 47718 47726 47728 47730 47734 47735 47740 47751 56414 56427 56434 65150 65153 65154 65156 65159 65160 65162 65166 65167 74494 83468 83472 83477 83481 83490 83504 93100 93111 30137* 30248* 65147* 65171* 74481* 83491* 93091*
Arizona 83952
Australia 6004
Austria 38977* 47737* 83482*
bibliographies 65178
Bulgaria 93085*
California 93089
Canada 74482
conferences and congresses 13492 74492 6012*
Connecticut 30126 65152
Czechoslovakia 93093*
Denmark 39001
Europe 38980* 83469*

Item

Food--Cont
regulation and inspection--cont
France 38992*
Germany 6006* 7860* 13508* 38981* 38985* 38993* 39004* 47725* 47737* 56417* 56419* 56423* 65157* 74485* 74486* 83492* 83508*
East Germany 83346*
Great Britain 32418 47727 47731
Hungary 83458* 93087*
international 83455
Italy 83470*
legal aspects 93098
Maine 21848
Mexico 13500
Netherlands 21845* 65165* 65177*
Poland 83469* 91969*
Republic of South Africa 74491
Scotland 40756
Sweden 47745
Switzerland 38992* 56413* 83460*
USSR 5992 6011*
Vietnam 36326*
Virginia 65148
relief programs 7920 13436 23612 30173 30180 41013 47624 56327 56328 56336 56406 65056 65061 67087 74386 74387 74389 74457 83303 83318 13425*
developing areas 30118 32380
Michigan 83373
Pennsylvania 83373
Tanganyika 83310
requirements 5923 30117 56330
research
statistical methods 7568 47798 83372
reviews 13439
sanitation 5993 47980 74494 83524 93092 21902* 47657* 93091*
Canada 30247
conferences and congresses 83465
Germany
East Germany 36283*
Great Britain 6000 39048
Japan 38984
study and teaching 83467
USSR 6061*
shows 13429*
situation and outlook 5920 7483 7542 7568 13424 30107 30114 30122 31929 49185 49974 65063 74383 74389 74396 93133 30116* 38874*
Albania 38871
Bulgaria 93028*
Canada 65057
China 5918*
Cuba 66555
Europe 83372*
European Economic Community 93021*
Far East 86051
Finland 75996
Germany 76004
India 13430 30117 49170 56330 56332 93019
Japan 83370*
Latin America 85411*
Near East 86051
Pakistan 93074

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Item

Food--Cont
situation and outlook--cont
Republic of South Africa 57877
Tahiti 5916
USSR 30108 38875*
smoked 13536 38997*
sources 5916 5923
8011 15457 33871
38881 40181 40229
47635 58325 74381
74391 75800 84554
15460* 30119* 48976*
58546*
spoilage 6003 30141
38976 93038 93039
13449* 74515*
statistics 47689 65255*
Australia 65251
Canada 13572 65256
Germany 47817* 56506*
Great Britain 83581
Jamaica 83584
Pacific area 6077
Venezuela 65277*
sterilization 30281
47801 83544 83563
30294* 39042* 39065*
47771* 56453* 65208*
65246* 74513* 74529*
83547*
reviews 21876
storage 13562 39051
39076 47807 73343
74515 83548 5963*
74467* 83549*
Africa 13522
Canada 65205
Ghana 83529
humidity 65245
pest control 92215
temperature 21888*
study and teaching 5927
47680 13426* 38878*
47631*
Sudan 30140
surpluses 32380 74389
38874*
synthetic 83309
tests 21797 30141 38910
56356 83331 83338
83350 83366 83417
93040 93046 93048
13449* 21786* 30137*
65084* 65093* 83322*
83344* 83346* 83352*
equipment 30139 65083*
legal aspects 74437*
trade 15390 32366 41000
67089 76574 94763
65255* 74384*
Austria 85974*
China 7847
developing areas 32380
Germany 7860* 23601*
85974*
Great Britain 32418
Jamaica 83584
Poland 15374* 94787*
Sweden 15370*
transportation 21814 21834
21852 65142 83388
5963* 65121* 65125*
65129* 83440* 93076*
by rail 47756 65135
74470 83378 83382
83392 83395 83415
83420 83423 83431
65115* 65136*
by truck 65125*
conferences and congresses 83421 83425
vitamins 30282 49716
76629 76640 93046
7962* 41073* 76634*
waste 21800 81548
weight and measurement
56425 83464 93109
Food Adulteration Act (India) 83852

Item

Food and Agriculture Act of 1962 49201 66503 76000
76001
Food and Agriculture Organization of the United Nations
26664 32576 48822
49860 57875 67262
86236 86237 94781
22004* 22070* 38880*
76854* 85372* 94547*
Asia-Pacific Forestry Commission 35621 35731
directories 49859
Government Experts on the Use of Designations Definitions and Standards for Milk and Milk Products 22065
Group on Coconut and Coconut Products 14031
programs 6320 35746*
publications 94934
Technical Advisory Committee on Desert Locust Control 91955
Food Drug and Cosmetic Act
13499 47726 65162
74899 83472 83504
93033
Food Additives Amendment of 1958 6009 6010
30227 65153 65167
83481 93732
Food Additives Amendment of 1961 65171*
Pesticides Residue Amendment of 1954 6294
Food Drugs and Disinfectants Act (South Africa) 74491
Food for Peace Program 7920
23612 32366 40525
40998 49589 49608
49620 67032 67049
67064 67087 76547
Food pastes 49741 84415*
Food plants 8733* 30245*
58512* 58546*
Canada 35073
Florida 58529
Malagasy Republic 15773*
New Zealand 76831
Nigeria 8154 74445
USSR 58520 23865*
wild 41* 41246*
Food poisoning 6947 7054
47743 74477 74493
83327 84910 21840*
21844* 31279* 31292*
38901* 38996* 47747*
47981* 74478* 83450*
83493*
Denmark 56416*
France 74489*
Germany
East Germany 30218*
30251*
Great Britain 47731
Hungary 47744*
Italy 84675*
Poland 30240*
USSR 6304* 6946* 6963*
6979*
Yugoslavia 39966 83480*
83486* 84687*
Food Science Conference (Australia) 56467
Food Stamp Plan 5974 13436
56406 74386 74387
74457 83303 83318
83373 93333
Food stamps SEE Trading stamps
Foot-and-mouth disease 79801
79939 90749 11267*
11326* 11341* 27402*
Argentina 36305*
Asian type 71840*
Bulgaria 11294*

Item

Foot-and-mouth disease--Cont
cattle 36625 3495* 11848
19881* 27771* 36631*
36714* 36742* 54441*
80252* 80357* 80408*
91001*
control 91090*
immunization 19909
11594* 11622* 11623*
11650* 11656* 11687*
27717* 27778* 27836*
36549* 36662* 36663*
36729* 54255* 54370*
54462* 72193* 72208*
80392* 80399* 91119*
sequelae 54284
transmission 45689*
treatment 72184*
conferences and congresses 11355*
control 19541* 45325* 62375*
Argentina 36239* 53988*
Brazil 3082*
Germany 45266*
Italy 71765*
Latin America 15511*
Rumania 27326* 36360*
USSR 36221
eradication 80408*
Finland 11337
France 19465* 45339* 54035*
Great Britain 3112
guinea pigs 36935 11848*
11849* 11861* 27378*
immunization 11327* 36289*
53893*
Argentina 53939*
Israel 71840*
Spain 53846*
Italy 45354*
mice 11859 28142 11850*
27378* 28155* 72447*
80357* 80680*
Pakistan 45287
poultry 91488
prevention 11327* 27877*
45270* 79849* 90615*
rabbits 28402*
reindeer 27441*
Republic of South Africa 27394
Rumania 27457*
sheep 37260 20400* 28518*
72889*
Sicily 11250*
Surinam 19491*
swine 81247 91843 12245*
12303* 27378* 28675*
28685* 28732*
control 4287* 91902*
diagnosis 55095*
immunization 4242
20514 20521 28699*
46226* 63648* 81293*
91827*
prevention 91900*
transmission 79839 20626*
36565* 45326* 53996*
72889* 90566* 90573*
USSR 79882
vaccines 19503 19909
20521 36243 53892
54010 79747 80680
11287* 11297* 11307*
11594* 11650* 11656*
11687* 27395* 27396*
27406* 27410* 27456*
27778* 36291* 36360*
36662* 36663* 45309*
53846* 53866* 54027*
54370* 54462* 62344*
62408* 71840* 72193*
72208* 80392* 80399*
91616*
virus 3173 11286 11310
11337 11859 19453
19503 19563 19587
28142 36220 36406
36935 45353 45359

Item

Foot-and-mouth disease--Cont
virus--cont
53912 53948 53971
54010 62334 79765
81247 90677 91488
3150* 3616* 11256*
11264* 11285* 11288*
11301* 11309* 11320*
11622* 11849* 11850*
11861* 12303* 14388*
19465* 19592* 19600*
19881* 27307* 27339*
27395* 27412* 27436*
27456* 27457* 36219*
36259* 36305* 36320*
36565* 36631* 36729*
53845* 53864* 53895*
54027* 59164* 62408*
62409* 71746* 71865*
79747* 79844* 80357*
80637* 90682* 90705*
91902*
Foot rot
cattle 27695* 54378* 72198*
80251*
citrus 58978
sheep 4107 12157 12163
91722*
control 28475 91729*
diagnosis 81120
treatment 63474 12135*
63493*
wheat 67925 36869 57148*
88260*
Forage plants
acreage and area 39416*
Germany
East Germany 43134*
South Dakota 6434
6435 6436
Sweden 22165 58630*
Albania 63397
analysis and composition
3042 3069 11155
22124 42649 48140
54962 65550 69213
79672 81023 91671
13890* 30700* 39416*
44297* 45181* 45203*
56824* 62704* 74896*
74901* 84218* 91660*
reviews 6422
anatomy and physiology
8874 9066 9070
9120 16497 16736
18437 42603 50928
51379 51395 51423
59826 60117 60193
60498 60567 68631
68637 68731 68898
77509 8733* 8871*
9451* 16710* 24864*
24989* 25084* 33849*
42643* 51240* 59884*
68620* 68798* 68903*
69058* 77524* 87531*
87628*
reviews 77715
Argentina 86469*
Australia 1552 9498
34511 51744 51759
Belgium 60582*
biochemistry 22157 25198
69213 1327*
Brazil 10248*
breeding 17162 25428
25443 69213 87538*
Australia 60554
Canada 60529
Germany 17206* 34496*
East Germany 43286*
88663*
Hungary 69533*
Italy 69584*
Poland 1574*
Republic of South Africa 1424
Sweden 1537* 1588*
Canada 60530 88606*

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Item

Forage plants--Cont
Chad 9461*
Chile 88495* 88561*
conferences and congresses 25486
contamination 4621
25089 28470 28921
45695 53830
contests 17215 25485
costs and returns
Germany 15108*
East Germany 66743*
Hungary 89874*
Netherlands 85666*
Nevada 23355
Scotland 76258
Switzerland 60531*
76230*
USSR 7684*
Utah 15027
culture 20792 69500
9502* 87538* 88706*
Albania 25469*
Algeria 1577*
Australia 17193 17196
43230
Brazil 43259*
Canada 34515 69538
Chile 88531* 88557*
Colombia 88644*
Congo 9454* 88530*
Corn Belt 60514*
Czechoslovakia 88686*
Denmark 43300* 51785*
60507* 66473*
desert areas 88569*
Ecuador 60526*
France 43262*
Germany 1593* 34527*
51588* 69534* 69628*
77951* 88299* 89751*
East Germany 17000*
34509* 43220* 43290*
43291* 60561* 71694*
77927*
Ghana 88572
Great Britain 9463
Hungary 88584*
Idaho 1584
Italy 34380*
Malagasy Republic 88525*
Norway 25484* 51760*
51791*
Ohio 25441
Oklahoma 88568
Poland 88688* 88690*
Republic of South Africa 1612
Sweden 16987* 34500*
Switzerland 51733*
60531* 69501*
Tunisia 88512*
USSR 1614* 26360* 51766*
60524* 60577* 88643*
88676*
Yugoslavia 69514*
88619*
Czechoslovakia 45197*
88683*
desert areas 17181 59884*
dictionaries 69522*
digestibility 3042 4094
11152 11183 11363
12093 19431 20348
36170 36508 45293
62749 62937 71851
79654 80111 80135
80191 90894 11207*
11798* 25495* 27277*
28484* 37191* 79695*
reviews 6422
disease resistance 25198
25428
diseases 15884 50251
dried 27263 72012* 79684*
drying 22157 39421 22486*
64905* 65224* 74142*
83982*

Item

Forage plants--Cont
drying--cont
costs 92872*
equipment 5814 38718
56200 92887*
Germany
East Germany 74158*
83139* 83145* 83973*
92872* 92902*
Great Britain 39421
Hungary 29961* 83135*
83151*
Poland 74155* 74161*
ecology 1627 33572 77310
33849* 59328*
Angola 50633*
Japan 24864* 24989*
Ecuador 60526*
equipment 29968 13207*
fertilizers 18437 52724
70596 2298* 44297*
51240* 59328*
Belgium 89662*
Canada 35386
France 61400*
Germany 10203* 68903*
Hungary 26283*
Italy 26262* 89734*
Japan 89687*
Louisiana 18292
Netherlands 18264*
Oklahoma 52758 89714
France 17168* 49271*
freeze-drying 22124
frozen 11183 28444
fungus diseases 8293
15861 33243 67803
genetics 69591
Germany 7579* 15107*
36498* 65261* 76124*
88629*
East Germany 34497*
40588* 40589* 40604*
89755*
green cut 3379 27233
28444 53807 62315
81002 45907* 69163*
80134* 83982* 88041*
90564*
Australia 80200
Denmark 54220*
France 12089* 45207*
93461*
Germany 80141*
East Germany 83973*
Great Britain 90908
36885*
Hungary 27592*
Japan 88397*
Norway 51791* 62695*
Ohio 80171
Rumania 71682*
Southern States 3404
Sweden 1588*
USSR 88704 27285*
34533* 43297* 60523*
60559* 69565* 92845*
harvesting 1580 17180
18366 27298 51763
11207* 60505* 60509*
60551* 64887*
costs 15106* 43282*
Denmark 1606*
equipment 5775 21629
29942 38693 38696
64892 83112 92841
13244* 47439* 64885*
74125* 83085* 92862*
Canada 53768 54151
France 83091*
Germany 64785*
64890* 74127*
East Germany 92858*
Great Britain 64875
74095
Hungary 29958*
83089*
Italy 74089* 74090*

Item

Forage plants--Cont
harvesting--cont
equipment--cont
Japan 64878*
mountain areas 47394*
47416*
Sweden 13242*
Switzerland 74128*
74131*
USSR 92845*
France 25460*
Germany 43282* 79670*
Iowa 69625
labor 49076* 49102*
mountain areas 64885*
New Mexico 51807
Sweden 34537
harvesting date 25495*
88691*
Indiana 9475
injuries 60512
irrigation 3069 18437
Czechoslovakia 68798*
Eastern States 89828
Hungary 3408* 70734*
89862* 89874*
North Dakota 18495
Italy 30700* 35305* 77932*
Kenya 42603
labor 66473* 94224* 94242*
loading equipment 64785*
73963* 73980* 83085*

losses 14440 92841
Malagasy Republic 88525*
mechanization 38608*
Mexico 34489* 77938*
Morocco 77943*
nematodes 33441 50544
Netherlands 7579* 30723*
New Zealand 60533
Nigeria 9458
nutritional deficiencies
68898 70402
nutritive value 3055
3345 3357 12104
24717 27298 27602
27681 36165 36529
37252 51395 53760
72037 79707 80106
80198 90894 11153*
16710* 27261* 27285*
71682* 71702* 79660*
79684* 91660*
Czechoslovakia 68798*
Germany
East Germany 17209*
India 69585
Maine 17133
Netherlands 36489*
New Zealand 68731
Oklahoma 54227
Oregon 54905
Poland 69058*
Spain 45177*
Sweden 11521*
USSR 54207*
Pacific Northwest 83306
palatability 11189 16542
19702 20339 51395
80135 81006*
pest control 20755 20762
20792 46487 55389
73194 37666*
pests 20740*
New Zealand 12465
28960 28961 28962
55446
Philippines 69520
planting 1617 88691
Alabama 43245
Australia 9496
Great Britain 9452
India 89368
Ireland 88532
Poland 9451*
Spain 25439*
pollination 20792
Portugal 88652*

Item

Forage plants--Cont
processing 27298 39433
60505* 60509* 71698*
83982*
Czechoslovakia 56205*
equipment 38717 13207*
64887*
Great Britain 39419*
Sweden 25495*
Switzerland 60531*
proteins 34537 77933
34508* 69533* 70548*
71698* 87825*
quality 3325
Republic of South Africa 9510
research
linear programming 85477
statistical methods 51781 69589
seeds 15078 20792 43231
69500 92841 83132*
88557*
Australia 66191 75707
Belgium 94021*
certified 57479 57481
66191 66203 69591
75707 22805*
Denmark 1606* 60507*
directories 57481
Finland 14576*
Germany 17138*
East Germany 76200*
Great Britain 9465
57479 57481 57482
66203
Norway 25484*
quality 14576*
regulation and inspection 57482
statistics 57471*
storage 47592*
Sweden 22165* 22805*
31518* 34500* 56830*
57471* 57472* 88657*
vernalization 33849*
87538*
Yugoslavia 69514*
soilless culture 88704
34533* 60550*
soils 61064 26360* 78324*
South Dakota 60573
spraying and dusting 46487
67713
statistics 65261*
storage 47439* 65224*
65570* 74142* 92998*
bibliographies 13337
threshing 92885
Tropics 17140
Tunisia 17210*
USSR 17181 17184* 17208*
34520* 43293*
Utah 17215
varieties 1559 3328
12098 13282 25428
43231 60528 69591
91671
Argentina 9486*
Australia 9468
Austria 43275*
Canada 60560 69538
Central African Republic 88590*
Chile 88558*
Congo 9455*
Florida 43242
France 17173* 60571*
Georgia 17176
Germany 51789*
East Germany 34508*
Great Britain 43238
77902
Italy 34516*
New Hampshire 25430
New Zealand 88514
88614
North Carolina 55008

*Text of this reference is not in English.

Item

Forage plants--Cont
varieties--cont
North Dakota 18495
Norway 60584*
Portugal 88560*
Scotland 51747
Spain 25498*
Sweden 1441* 17136* 77968* 88349*
USSR 2431
Wisconsin 25496
Yugoslavia 88593*
virus diseases 588
vitamins 83982* 90536*
weed control 17682 25895 27612 52329 89290 89405*
yields 18366 34537 51423 52724 60567 68631 70596 11153* 44297* 87883* 88333*
Alabama 43245
Australia 78675
Canada 52712
Czechoslovakia 43258* 88550* 88647*
Germany 56822*
Japan 89687*
Montana 52863 88702
New Hampshire 25430
Ohio 25441
Ozark Mountains 35891
Poland 10273* 88692*
USSR 43228*
Yugoslavia 69510*
SEE ALSO names of forage plants
Forania n g 4955
Forbs SEE Forage plants
Forcipomyia 64406 64460 5079* 12328* 29463* 64413* 73668*
Forcipomyia basendjiorum 73668*
Forcipomyia wygodzinskyi 82364*
Ford L T 67187
Ford Motor Co 35980
Foreign Trade Expansion Act of 1962 94744
Forell B 23789*
Föreningen för Dendrologi och Parkvård 9707
Foreningen för Skogskultur 18832*
Foreningen Skogsträdsfor-ädling 10658*
Forest entomology SEE Entomology, economic; Forest insects; SUBHEADS pest control; pests UNDER Forests and names and classes of trees; and SUBHEAD forest pest control UNDER Insecticides and names of insecticides
Forest Farmer 53108
Forest Farmers Association 10573
Forest fire insurance 53459*
Forest fires 8988 10810 10818 10837 35852 53458 79381 53446*
Australia 71312 81945
burning index 10843 90275
California 2772 26959 33294
Canada 10825 26957 44874 53450
causes 62006 71312
California 53447
Canada 26955
Louisiana 53452
Southern States 53457
Trinidad 71322
control 10818 10822 10830 10839 10843 10851 35855 35860 61988 79386
associations 44882

Item

Forest fires--Cont
control--cont
Australia 35864
by trenching 10848 26958 71320 19042* 53461*
California 90270
Canada 2768 10821 10836 53451 79385
chemical 2765 10819 10835 10842 26956 61989 71314 79383 79384 35859* 44878*
directories 44879
equipment 10810 10838 10845 10847 10848 35856 35862 35863 53444 53445 53449 90274 53455*
maintenance and repair 10826 10827
Germany 53459*
hazards and safeguards 10812 10824 10846
legislation 55555
New Jersey 44879
Nigeria 10815 19046
policies and programs 2771 10829
Republic of South Africa 90272
Southern States 44876 53448 53460
Southwestern States 35853
study and teaching 35851 35865
Switzerland 44877*
USSR 61990 53462* 61986*
Washington 44875
Western States 35866 71324
Wisconsin 53456
Yugoslavia 90271*
danger 10811 10817 10834 10839 53443 79387 19044* 19045* 19051* 79388*
Alaska 44880
California 79380
Canada 10814 10854
Georgia 19041 19043 26953
USSR 19044* 71315*
detection 10813 10850
effects on insect populations 55591
effects on soils 18897 35854 71313 19048*
effects on trees 10853 19049 44830 90269 79282*
Florida 637
Germany
East Germany 71321*
hazard and risk 10828 10845
Northern Ireland 79382
Oregon 26919
Poland 71287*
prevention 10809 10816 10823 10831 53454 53464 71316 79388*
California 44873
Canada 10836 44881
Florida 71323
Germany 53459*
East Germany 35858* 61987*
Japan 35861*
Southern States 26954
study and teaching 10841
Washington 35857
protection 35867
associations 2770 10833 10840
Canada 19047
equipment 71317
France 2766*

Item

Forest fires--Cont
protection--cont
Mali 71318*
Poland 71311*
USSR 53453*
Washington 53463
statistics 19041 26953 35868 53460 90273
study and teaching 19050
suppression 10830 10832 10842 10844 26956
Switzerland 61985*
USSR 10596* 90268*
SEE ALSO Firebreaks; Forests, burning; Lookout towers; and SUBHEAD in forest fire control UNDER specific subjects
Forest genetics SEE Trees, genetics
Forest industries 53130 35979* 71350*
accounting 62007*
associations 89998* 90002*
Austria 44909* 90296*
Canada 2797 53497 79420
conferences and congresses 18641*
developing areas 70945*
equipment 26987
Finland 26731*
Great Britain 44561 62020 90297
Japan 71349*
labor 53128* 62014* 89967*
Latvia 90016*
Lithuania 26993*
Norway 62017*
Pacific Northwest 79421
Poland 19088*
policies and programs
USSR 19084* 19089* 35894* 53491* 61721* 79425* 90032*
Yugoslavia 2563*
public relations 19194
Rumania 71347*
Scotland 35905
situation and outlook 26673
Czechoslovakia 90292*
Europe 26989*
Germany 53501
USSR 2793* 18665* 19083* 26992* 35902*
Yugoslavia 62012*
South Dakota 10889
Southeastern States 10603
statistics 10897*
Sweden 10618 44640* 79427*
Switzerland 90294*
taxation 2578*
USSR 19082* 19085* 35899* 35904* 44911* 44915* 53496* 62021* 71408*
Wyoming 10889
Yugoslavia 53493 79426*
SEE ALSO Lumbering; Wood-using industries
Forest insects 73396
British Cameroons 46971
Canada 46657 77035 82702
China 64256*
collecting and preserving 21004*
Congo 38276*
ecology 21115* 29271* 37992* 92374*
Finland 12960*
France 82075* 82245*
Germany 55565* 55656*
East Germany 47146*
Great Britain 64345 64677
Guatemala 92617*
habits and behavior 12627 55564 29253* 64561*

Item

Forest insects--Cont
identification 81865
Ivory Coast 38266* 64471*
Netherlands 5025* 5497*
Poland 29510 47162*
populations 73910*
Rumania 46733
Scotland 64335
Spain 81912* 81915*
study and teaching 37821
surveys 20904 64705 92237
Switzerland 29603*
Uganda 21012
USSR 21015* 23145* 64573* 79361* 92590*
SEE ALSO names of families and genera; and SUBHEADS pest control; pests UNDER Forests; Trees and names of trees
Forest labor 10619 18698*
accounting 85284 18624* 26678* 26694*
and mechanization 53204*
Australia 44543
camps 10917
clothing 89967*
conferences and congresses 2543
contract 44782* 64114*
convict 2545 10517 70966
costs 62039* 62054*
Czechoslovakia 89964*
education and training 27008 44573* 44866*
Germany 89971* 89976*
East Germany 35637*
Netherlands 61707*
Sweden 10557*
USSR 2558* 79444*
Finland 79069
Germany 18648*
East Germany 75923*
history 19090
Japan 53358* 89993*
legislation 53101 53701
migratory 35626*
Netherlands 89978*
Norway 18762* 53103* 53128*
occupational diseases 23472*
Pennsylvania 53142
productive capacity 35922* 61701* 79445* 89966* 89981* 89985*
Austria 71359*
Czechoslovakia 89965* 89988* 90190*
Rumania 61687*
Sweden 44640*
USSR 26694* 62014* 62039*
Yugoslavia 79070*
recruiting and placement 27008
situation and outlook 90004*
standards 18624* 19123* 53105* 89966* 89981*
statistics 62039*
Sweden 10524*
USSR 35625*
unions 2544
wages 2539 2818 53701 79061*
Germany 44559* 61701*
Netherlands 44556*
Texas 19090
USSR 10537* 19110* 26694*
work management 10822 10830 10851 10540* 70956* 90000*
Czechoslovakia 90385*
Denmark 10540*
Germany 19104*

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Item

Forest labor--Cont
work management--cont
USSR 90325*
Yugoslavia 10680*
Yugoslavia 70944* 79070*
Forest Labourers' Co-operative Societies Conference 2543
Forest pathology SEE Trees, diseases
Forest Pest Control Act of 1947 20881
Forest Practice Act (California) 35644
Forest products 10977 10978 11101 19196 27076 27079 27098 62106 62108 79498 89972 90448 11048*
associations 10983 71468 90369
Australia 2876 79487
Belgium 19197*
bibliographies 10534
Canada 44997 45004 79488 79490
China 35974
conferences and congresses 19198
consumption 35980 44568*
cooperatives 38962
costs and returns 62007*
directories 35968
Georgia 53173
Germany 2548*
East Germany 79493*
Ghana 81880
grading and standardization 53597 19190* 35973*
Great Britain 79501 53595*
history 2871 71470
Hungary 35921*
India 2873
Japan 90365
marketing 2872 35969 35970 35978 35980 90374 27074*
conferences and congresses 35975 35976
Europe 71459*
Germany 2113* 62113* 71459*
New York 35690 35982
Pacific Northwest 90373
Republic of South Africa 62013
Tropics 10606
Vermont 35971
Western States 2868
Mexico 79491
Northeastern States 35970
Oregon 45121
Pacific Northwest 71455 79496
packing 45000
Pakistan 79489
Philippines 27073 71241 10982*
prices 2874 39017* 53594*
purchase and sale programs 10976
situation and outlook 27080 53571
Asia 10980
Canada 27070 71463
Hawaii 18661
Mozambique 62112*
Pacific area 10980
Poland 62111*
Southern States 45001
Texas 27081
Yugoslavia 62018*
statistics 44999 49137
California 35895
Canada 53169
Europe 10895 62019
Great Britain 53502
Lake States 2867
Norway 19199*

Item

Forest products--Cont
Sweden 10986*
Tennessee 53591
trade 10888 53494 90293
Canada 53490 53494
Europe 62017*
Great Britain 10891 53502 62010
history 71344 71345
Norway 62017*
Republic of South Africa 62013
Sweden 79419*
USSR 71346*
Yugoslavia 62011* 79428*
USSR 19191* 35967*
waste 35979*
Western States 19200
SEE ALSO names of forest products
Forest Products Research Institute (Manila) SEE Manila University of the Philippines Forest Products Research Institute
Forest Products Research Society 19198
Forest rangers 26687 61686 61703 70958 90022 18663*
Forest Research Institute (India) SEE Dehra Dun Forest Research Institute
Forest tent caterpillar SEE Malacosoma disstria
Foresters 2581 61677
Canada 2538 18634 79050
consulting 26688 53104 53127
Czechoslovakia 90017*
Lake States 71254
Louisiana 79063
North Dakota 71254
South Dakota 71254
Southern States 53104
Turkey 35626*
SEE ALSO Forest rangers
Forestry 2553 10549 26664 26680 44546 53120 61673 70949 79066 79068 89963 89972 10523* 10530* 44538* 44552* 61688*
accounting 53208 2560* 2602*
Austria 2592*
Czechoslovakia 90055*
equipment 35674* 35681* 35682* 71018*
Germany 10607* 18749* 44627* 79126*
East Germany 61752* 61758* 71026*
Japan 71015*
Rumania 71008*
Sweden 44642*
USSR 18763* 44609* 44620* 44643*
advisory services 2556* 18666* 35685* 70940* 71310*
Africa 44564*
Alaska 44557* 53115*
Albania 23202
Appalachian Mountains 89974
as an occupation 10548 18637 26663 26695 37821 53119 89979 49047*
Canada 79050
Czechoslovakia 53129*
Great Britain 10558
associations 2541 2542 10573 26689 44549 44565
Austria 70947*
directories 61677
Finland 18832*

Item

Forestry--Cont
associations--cont
France 18662*
Great Britain 26677
Michigan 61689
Netherlands 44554*
New Hampshire 18703
Norway 53121* 89994*
Poland 89998* 90002*
Scotland 79075
Sweden 18663* 89991*
Switzerland 18658* 61679* 61697*
Australia 35631 49403
Austria 18655* 79067* 90001* 94262*
bibliographies 2551
2552 10533 35628 44539 26682*
Israel 10534
Louisiana 10520
Poland 10541*
USSR 94873
Bulgaria 10526* 26692* 89975*
Burma 75980 76655
Canada 18628 18664 26661 26662 32117 53120 70949 79068 44541*
Central States 44567
Ceylon 94124
China 66857*
Colombia 26660* 79064*
conferences and congresses 18626 18629 26679 53137 61671*
Asia 35621
British Commonwealth 35631
Germany 18662*
East Germany 61674*
Hungary 18653*
India 2543 53295
Michigan 61689
Nigeria 18652
Pacific area 35621
USSR 18641* 53135*
Washington 35630
Western States 44615 44616 44633 44636 44654
contests 90026*
cooperatives 26721* 90034*
costs and returns 10580 35670 44646 62000 10624* 18741*
Argentina 40755*
Bulgaria 18750* 35622*
Canada 44629
conferences and congresses 44615 44616
Denmark 44634* 44648*
Finland 18737*
France 44641* 79137*
Germany 61753* 79126*
East Germany 61758*
Great Britain 61950
Hungary 61748*
Italy 44619*
Japan 90057*
Norway 58010* 90073*
Poland 71006*
Rumania 10609*
Scotland 10604
Southern States 10623 53211
Switzerland 26749*
USSR 18763* 18905* 61763*
West Virginia 53185
Czechoslovakia 14809* 44550*
bibliographies 70939*
Denmark 18642 10521*
developing areas 26686 53118* 70945*
dictionaries 26671*

Item

Forestry--Cont
directories 18634 53104 61677 71254 79063 26666* 26667* 26682* 44542*
economic aspects 26668 2597* 18636* 26693* 79065* 90013*
Austria 90058* 90071*
Denmark 8499* 53188* 53191*
Finland 18673*
France 53186*
Germany 18667* 26691* 35629* 61753* 71011* 71014*
East Germany 89985*
Great Britain 90062
history 53186*
Italy 79139*
Japan 2546* 18647* 26675*
Michigan 53194
Poland 18627*
Rumania 26745* 35679* 71010*
South America 10613
Sweden 10615*
Tropics 10613 18728
USSR 61712 44601* 53157* 68143* 70951* 79081*
Yugoslavia 44645*
engineering 26738 35672 19103* 35673* 62026*
equipment 53443 26757* 44651*
directories 53184
legal aspects 38772*
maintenance and repair 61739*
Rumania 26748*
Sweden 26743*
USSR 44626* 53386*
Estonia
reviews 10515*
Europe 8106* 79062*
Finland 10522
France 26690 26682* 53122* 61680*
Ghana 79056
Georgia 26669
Germany 2548* 2666* 18662* 31810* 53132*
East Germany 31656* 66639*
Great Britain 10527 44561 10546*
handbooks 53108 10544* 18764* 79059*
Hawaii 53120 70949 79068
history 10584 18242
Great Britain 79052
India 79074
Malaya 26685
Massachusetts 26665
Northeastern States 90027
Norway 49820*
Poland 18627*
Sweden 61681* 61694* 61699* 89982*
USSR 10542* 26676* 44553*
Hungary 10535*
in philately 10552
India 35623 70942 78547
Iran 44551*
Italy 18640*
Kenya 41226
Korea 89983
Latin America 90005*
Latvia 35632* 90016*
legal aspects 53209 18711*
Germany 61693*
Great Britain 2579
Italy 79102*
Japan 53178*

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Item

Forestry--Cont
legislation 2784 10585 18710 53165
California 35644
Germany 10586* 18712* 26721* 26722*
history 70992*
Italy 53162*
Japan 90039*
Minnesota 2580
Netherlands 70986*
New York 26720
Oregon 53161
Philippines 10582 53159
Spain 44594*
Washington 35648
Yugoslavia 2577* 44592* 70990* 70991* 79104* 79106*
Liberia 10550
Maine 18633
Malaya 18645
mechanization 10619
Czechoslovakia 71023*
France 26746*
Germany 18753* 18754* 26747* 35668* 90070*
Great Britain 26751
Hungary 44632*
Italy 79125*
Japan 53204*
Norway 18762*
Rumania 10609*
USSR 19098* 44639* 90061*
Michigan 89986
Mongolia 89997*
mountain areas 53113* 61690* 66357* 89980*
Mozambique 61678*
Netherlands 35620 44566*
New Zealand 44560*
Nigeria 10538
Northern Ireland 26681
Norway 35660*
Pakistan 70950*
Papua 7520
periodicals 89970 89995
bibliographies 57892*
Philippines 26687 26700 70954
Poland 18654 18718* 89977* 89989*
policies and programs 2564 10573 10579 10580 26714 40555 40621 70957 79097 10553* 10577*
Alabama 79082
Austria 70947* 90028*
Burma 10562
Canada 18697 32117 40597 49246 76185*
Congo 85588*
Czechoslovakia 53154* 61723* 70985* 71013* 79091* 90026* 90030* 90031*
Ethiopia 10568
Finland 61718*
Germany 10570* 53146* 53158* 58090* 70976*
Hungary 70973*
India 44577 90035
Italy 26710* 79084* 79085* 79116*
Malagasy Republic 70981
Maryland 10571
mountain areas 61713* 61720* 61722* 61999*
New Hampshire 10578
New Mexico 2568
New York 31987
New Zealand 40759 61613*
Norway 57805*
Ohio 67161
Pacific Northwest 90288
Peru 10560*

Item

Forestry--Cont
policies and programs--cont
Poland 71337* 90025*
Singapore 44587
South America 10613
Southern States 53149
Spain 44591*
Switzerland 71031*
Tennessee Basin 26717
Tropics 10613
USSR 61712 61724 2569* 18688* 26703* 26704* 44582* 44590* 53157* 61721* 75967* 79081* 90032*
Washington 35641
Wisconsin 23402
Yugoslavia 2563* 44586* 79092* 79093*
public relations 44539 44545 53457 10553* 53125* 61672*
Puerto Rico 18707
Republic of South Africa 44563*
research
input-output analysis 49266 61748*
regression analysis 35716
statistical methods 26683* 44695* 71071* 90090*
reviews 70937*
Rumania 10518*
Sarawak 94153
Scotland 18657
shows 44544 89973
situation and outlook 10536 18638 18649 18660 18668 19195 26673 44650 61683 61855* 89984*
Adirondack Mountains 26739
Austria 10525* 61700*
Cambodia 10539*
Canada 18638 18649 18660
Czechoslovakia 10519*
France 10663*
Hawaii 18661
Latvia 61684*
Norway 44547*
Philippines 70955
Scotland 53117
USSR 10528* 18665* 53131*
Virginia 53112
Yugoslavia 61696*
South Carolina 18643
Southeastern States 2555 90012
Southern States 4743 26715 71029
study and teaching 2557 35860 44569 44576 53137 61706 70959 70964 90020 90019*
Austria 10543* 10556* 44570*
Belgium 70961*
Canada 53134 53140 70958
Colombia 85882*
Czechoslovakia 53138* 90018*
directories 61677
Europe 18675*
Finland 18673*
Germany 10559 61705 26696* 26697* 26701* 26702* 44572* 53136*
East Germany 61708* 70960* 90021*
Great Britain 10558 18676 61704 79080 79079*
history 18670* 26698*

Item

Forestry--Cont
study and teaching--cont
Italy 44574*
Latin America 18669
Louisiana 10554
Minnesota 26699
Netherlands 61707*
New York 61703 90022
Norway 49446*
Philippines 26700
Scotland 10555 35635
South America 18675* 70962*
Spain 18672*
statistics 44571
Sweden 35634*
Switzerland 18671* 18674* 35636* 44575*
USSR 2559* 10542* 53135*
Virginia 53139
Yugoslavia 70963* 79065*
Southern States 79095
Surinam 10547*
Sweden 18631* 53114* 89969* 90047*
Switzerland 79062* 89996*
Syria 35633*
Tennessee Basin 26659
terminology 10532 18651* 61702*
Thailand 76063 85454
Tropics 26686 53106 94318 18646* 70948* 79054*
Turkey 61698* 90295*
USSR 18623* 26658* 26674* 26684* 35627* 44540* 53102* 53111* 61859* 71000* 79078* 89968* 89984* 90003*
Virginia 2549
Washington 53133
Western States 10529*
Yugoslavia 35661* 44558* 79073*
SEE ALSO Foresters; Forests; Logging; Lumbering; Reforestation; Silviculture; UNDER Aircraft; Radio; Youth; and SUBHEAD aid to forestry UNDER Government
Forestry Abstracts 89970
Forestry Directory of Canada 18634

Forests
acreage and area 76307*
administration 18683 71159 79094 2560* 10577* 70968*
Australia 2562 2576 10575 18693 18704 18705 26718 70984 79083 90033
California 18677
Canada 18678 26711 53152 90023
Ceylon 61715
Delaware 61716
Europe 61719
Fiji 18680
Finland 44578*
Florida 10566
Germany 26696* 26702* 35680* 35688* 35689* 44572* 44583* 53148*
East Germany 61752*
Great Britain 44579
Haiti 10564*
India 61710
Ireland 2565 44580
Italy 79090*
Japan 18684* 61726* 70975*
Kenya 26708
Louisiana 26716 70977

Item

Forests--Cont
administration--cont
Maine 90029
Malaya 18690 90059
Montana 53151
Netherlands 18692*
Nigeria 18679 35640
North Borneo 18694
Northeastern States 90027
Norway 18696*
Ohio 53153
Pakistan 70972
Philippines 10565
Poland 18681 26712*
Rhodesia and Nyasaland 2570 18695 79089
Sarawak 10576
Sierra Leone 18702
South Carolina 90037
Sweden 35642*
Tanganyika 2571 26713
Uganda 2573 2574
USSR 2569* 18687* 44584* 44589* 70980*
Yugoslavia 79221*
and agriculture 53130
Australia 44543
Austria 79067*
Belgium 76315*
Borneo 15145
China 66857*
Germany 35629* 53113* 58089*
Great Britain 66850
India 76345
New Zealand 10551 32118
Philippines 58099
Switzerland 71380*
USSR 15154 19191* 40619* 49385* 85741* 85775*
Yugoslavia 79185*
brush control 18884 44779 53311 53330
chemical 18921 79231* 79237*
Eastern States 18898
equipment 35771* 44749*
Italy 2679 79314*
Oregon 53320
Southern States 44770 44774
Tennessee 44754
West Virginia 53185
burning 10809 10811 10823 10831 10837 44753 52502 71134 71159
Alabama 2693 18893
Eastern States 18897
Florida 71323
Lake States 26976
Maryland reviews 2681
Michigan 53309
New Jersey 18918
reviews 2681
New Zealand 26952
Southeastern States 10690
Southern States 26842
clear cutting 10751* 10858* 19005* 35875* 79457* 90214*
community
Austria 79071*
Canada 18678
Germany 10586*
India 10863
Japan 35666* 53178* 71028*
conservation 2542 2561 2572 35638 44585 70969 90024
Africa 49411*
Bulgaria 61709

*Text of this reference is not in English.

Item

Forests--Cont
conservation--cont
California 10517 70966
Canada 10150 10563 10574
conferences and congresses 18703
directories 70969
Europe 8008
Massachusetts 79086
New Hampshire 10578
New Mexico 2568
Pacific area 10572
Pennsylvania 53142
Philippines 10569 10581 26719 70954 70955 71428 79123
study and teaching 53141 70967
USSR 2566* 18701* 26601* 79096*
Venezuela 2567*
Wisconsin 26980
Yugoslavia 79375*
conversion 53258
Bulgaria 71090*
Czechoslovakia 44728* 44744* 44771*
France 44641* 79137*
Germany 26826* 44724*
Hungary 26890*
Italy 79323*
Pennsylvania 18859
Rumania 10703*
South America 10613
Switzerland 18838* 26821* 44735*
Tropics 10613
USSR 18865* 61839* 71124*
West Virginia 53185
Yugoslavia 61832* 79223*
coppice 44619 2809* 26826* 35835* 44728* 44744* 44771* 47146* 71090* 79310* 90143*
coppice with standards 44641* 79137*
credit 2594
cutover 388 10708 26739 35815 59302 71244 90094 2696* 10596* 53386* 59280* 78940* 90183* 90204* 90232*
cutting cycles 10633* 10902*
cutting systems 10666* 26809* 35759* 35871* 71066* 71090* 71096* 71146* 79224*
Germany 44758*
Hungary 61868*
Lake States 26976
Lithuania 26993*
Michigan 10654
USSR 26823* 35732* 44936* 53263* 79212* 90111* 90119* 90144* 90145* 90318*
damage 35850 53438* 79377*
Australia 26945
Austria 19037* 90258* 90261*
Bulgaria 35847*
Canada 19040 79364
Czechoslovakia 26951* 35846* 90257* 92230* 92232*
France 44865* 64071* 79368* 79373*
Germany 10803* 35849* 44870* 71301* 71309* 79370* 90266*
East Germany 19032* 71321*
Great Britain 44872

Item

Forests--Cont
damage--cont
Hungary 90259* 90263*
Japan 2775* 4776*
Malaya 53442
New York 19036
Rumania 71302*
study and teaching 61978
Switzerland 2764* 18953* 26752* 26765* 26938* 71297* 90265*
Uganda 41640
USSR 71336* 90267*
Yugoslavia 44871* 71296* 79375*
drainage 53428 61875 79260 90157 16402* 17873* 18881* 18882* 18896* 18899* 18903* 18906* 26831* 26967* 44738* 53266* 61252* 71158* 79234* 79246* 79253* 79257*
costs 18905*
equipment 35770 71135
ecology 638 8683 11132 12627 16206 28797 33528 33540 33576 50592 50602 50603 50613 50618 50628 61776 61851 71095 77331 87164 16241* 24506* 24526* 29271* 42149* 50589* 50608* 50609* 68093* 68182* 87224*
Alaska 50568
Albania 42124*
Appalachian Mountains 35748
Australia 8688 33531
Austria 87232*
Belgium 16238*
Borneo 16234*
Brazil 59338*
California 33487 68118
Canada 631 666 684 42160 50571 50584 59300
Carpathian Mountains 87182*
Central America 24521*
China 8700*
Colombia 16201
Congo 77308*
Connecticut 24545
Czechoslovakia 687* 33569* 76846* 76867* 77344* 77352*
Estonia 24518*
Ethiopia 8651
Europe 59300 24516*
Florida 637
France 59230*
Germany 87170 42090* 68184*
East Germany 24532* 59323*
Ghana 87188
Great Britain 16215 71185
Hungary 24529* 42102* 68089* 87180*
Idaho 77337
India 629 10532 16252 50623 59232 59263 87155
Iran 8657* 68121*
Italy 87154*
Japan 653* 33515* 42136* 77336*
Maine 33482
Michigan 68116
Micronesia 68203
Minnesota 16211
Netherlands 78465 8677*
New Zealand 24546 42092 42171 68103

Item

Forests--Cont
ecology--cont
Nicaragua 59249
Nigeria 16213 16240
North Carolina 24503
Ohio 33549
Oklahoma 42146
Oregon 68117
Pakistan 50599
Peru 77328*
Poland 24505 59301 68178 16268* 33488* 33532* 33536* 33556* 42929* 52641* 61253* 78466*
Puerto Rico 33494
Republic of South Africa 703 59260
research
input-output analysis 61803
statistical methods 8697
Rumania 42145*
Southeastern States 77342
study and teaching 90020
Sudan 42096
Sweden 16265
Switzerland 59255*
terminology 10532
Thailand 50617
Tropics 42165
Turkey 42174*
USSR 61747 8673* 33567* 42088* 42162* 50600* 59242* 59280* 59308* 68139* 68150* 68154* 68160* 68167* 68174* 68176* 68177* 68186* 68193* 68202* 70707* 87157* 87191* 87192* 87195* 87211* 87227*
Vietnam 672* 33464*
Washington 87211
Yugoslavia 647* 8698* 42137* 42138* 42148* 68111* 87161*
even-aged 638 90149 18804* 61998* 71068* 79199*
fertilizers 2318 18917 44781 71130 90158 26845* 44775* 64069* 64092* 71137*
Austria 79251*
Canada 53346
Finland 18913* 79263*
France 10681* 61876*
Germany 18876* 18890* 18895* 20897* 26839* 29162* 44741* 44782* 53353* 70505* 79235*
East Germany 61865* 61871* 90170*
Norway 53343* 90162*
reviews 90153*
Rumania 71139*
Southeastern States 53349
Spain 79255*
Sweden 53347 44777* 61304*
Yugoslavia 79241*
finance 2594 53202 53209 62000 71025*
Ceylon 61715
Europe 61719
Louisiana 71003
Netherlands 90068*
Southern States 53190 53199
USSR 44620*
Yugoslavia 44586*
grazing 35884 71339
Australia 26870
costs and returns 53481

Item

Forests--Cont
grazing--cont
Finland 71334
Florida 19072
France 61999* 62001*
Germany 10867*
India 2788
Japan 35888*
Lake States 26976
Louisiana 44904
Michigan 10880
Nevada 1581
New York 19036
Oregon 26982 53482
Ozark Mountains 35891
Pakistan 17132 17201
Poland 71337*
Spain 10861*
USSR 88506* 88703*
Wyoming 3356 79408 79415
Yugoslavia 10873*
history
Austria 79071*
Czechoslovakia 44555* 44562* 89992*
France 79053* 79072* 79076*
Germany 79055* 79072*
Great Britain 18630
Japan 79077*
Massachusetts 2550
Poland 70938*
Scotland 18635
USSR 61675* 61676*
Yugoslavia 18659*
improvement cutting 71572 27011* 27017* 44740* 71105* 79460* 90134* 90325*
in art 79049*
in literature 18630
influences 2773 18547 19063 44884 53474 61315 71159 78798 79393 79431 10802* 10856* 10858* 19059* 19070* 44890* 71061* 71327* 78477* 79398* 79400*
Adirondack Mountains 2774
Alps 53466*
Arizona 90284
Australia 19054 19055
California 44883 71332
Chile 79395*
Czechoslovakia 18579* 19071* 35869* 35875*
Denmark 35874* 61994*
France 35876 44891* 53466*
Germany 1140 19068* 44889* 53488* 71330*
Hungary 26962*
India 53475 53468*
Israel 71270
Italy 61993* 79392*
Japan 2775* 19065* 35271* 35871* 44892* 78904*
Switzerland 19052*
Tennessee Basin 35981
USSR 17908 18058 19062 26960 53471 61997 71328 79396 79403 2779* 18867* 19057* 26961* 43161* 43979* 44888* 44890* 53470* 61317* 61991* 61992* 61995* 61996* 61998* 71329* 76768* 78304* 79391* 79404* 79406* 86744* 90277* 90280*
Wisconsin 71331
irrigation 51437 53428 71156*
Germany 71141*

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Item

Forests--Cont
irrigation--cont
Pakistan 10688 50599 71155
USSR 61839* 70231* 71144* 90155*
labor SEE Forest labor
litter 4968 4969 5633 26813 35108 52502 53301 78444 78465 79279 2140* 10118* 10669* 18091* 26968* 37448* 44741* 44742* 44821* 70334* 70354* 70369* 71329* 78366* 79406* 89553* 89554* 90138*
management 10622 10866 12667 18765 18766 20932 35683 44623 44628 44637 44646 44650 44663 44897 50183 53189 53198 53209 61745 61746 61750 61765 62003 66892 71017 2597* 2609* 26736*
Allegheny Mountains 9 282
Australia 26778 79128
Austria 10610* 10612* 18748* 19037* 44625* 71021* 79136* 90053*
Brazil 18993
Bulgaria 18750*
Burma 61749
California 44611
Canada 44629 53197
Caribbean area 18739
China 90065*
Czechoslovakia 2600* 35686* 71004* 71051* 90063* 90072*
Denmark 2601
Finland 18740* 18759* 53182* 79130*
Florida 35756
France 8660* 26734* 53186*
Germany 2598* 10903* 18743* 26754* 26819* 35671* 44607* 44638* 44653* 71009* 71011*
East Germany 18736* 61756* 61827*
Ghana 10617
Great Britain 2601 61742 90062 90184
history 53186* 61759*
Hungary 19010* 61761* 71030*
India 10532 18742 18758 26735 44612 59232 71019 71024
Italy 44652*
Japan 10608* 35677* 53178* 63180* 71007* 71028*
Kenya 79140
Lithuania 26993*
Morocco 2595*
New Hampshire 44608
New York 12662
New Zealand 27129
Northeastern States 10616
Norway 18762* 58062*
Ohio 44610
Oregon 10621 17200 35670 44712
Pacific Northwest 26738
Pakistan 10605
Pennsylvania 2607
Poland 26742* 61743* 61751*
Rumania 26745* 61741* 90112*
Scotland 35905 90060
South America 10613

Item

Forests--Cont
management--cont
Southern States 44608 53179 53183 53187 90056
Spain 19079*
sustained yield 79141 61740*
Canada 44617
Finland 53181* 61757*
India 18756 90067
USSR 35684*
Sweden 10618 61760 18735* 44640* 53207* 79129*
Switzerland 44596 2599* 15123* 18671* 18744* 71031* 90054*
Tennessee Basin 2604
terminology 10532
Tropics 10606 10613
USSR 61747 2605* 18665* 18738* 18745* 18751* 35665* 35675* 35678* 44609* 44621* 44630* 61738* 61762* 71005* 71020* 79133* 79184* 79418* 90052* 90116*
Washington 44622
Western States 44615 44616 44633 44636 44647 44654
Yugoslavia 2591* 44644* 71109* 79157* 79175*
maps 79162*
Arizona 44603
Czechoslovakia 76884*
Germany 53219*
East Germany 61801*
Italy 71046*
Japan 10591*
New Mexico 44603 44604 44605
Switzerland 61790*
Washington 44602
mensuration 2608— 2639 2686 2689 10628 10629—10651 10654 10660* 18748* 18758 18774—18831 26763 26764—26799 35653 35695—35718 44661 44662—44706 53197 53219—53251 61770 61771—61807 71037 71038—71073 71195 79144—79181 79369* 90080—90106
conferences and congresses 18781*
equipment 2622 2634 18808 26776 26788 35717 44693 53229 53234 71057 71060 71064 71072 78913 90080 2623* 10649* 18757* 26766* 26775* 26791* 26799* 35695* 35706* 35718* 44664* 44683* 53228* 61775* 71063* 71069* 71073* 79163*
research
input-output analysis 61803
linear programming 10646
statistical methods 61791*
terminology 10532
mixed 29166 2724* 35743* 79183* 79313*
Australia 26778
Germany 44682* 61789* 71291*
East Germany 59254* 87527*

Item

Forests--Cont
mixed--cont
Indiana 44796
Kansas 61947
Latvia 24537*
New Hampshire 26818
Poland 18803*
reviews 8956*
Sweden 79153*
USSR 61937 16228* 35659* 44740*
multiple use 2784 10862 10866 10877 19075 19077 44897 44902 53477 26978*
Alaska 44946
Australia 79411 79413 79416
conferences and congresses 44907
Connecticut 35881
Maine 44898
Michigan 10884
New Hampshire 19076
New York 35882
Pacific Northwest 71341 90288
Portugal 10879*
Southwestern States 2781
USSR 19078* 79418*
Utah 35883
Virginia 79407
Western States 71340
Wisconsin 26980
national 2689 10579 10580 10585 18683 26714 26985 35868 44646 52685 53165 53198 62009 79058 79417 2609*
Alabama 18893
Arizona 44603
Australia 79128
Austria 2592*
California 44900
China 58545*
Denmark 53188*
Estonia 26782*
France 61711*
Georgia 19134
Germany 2598* 53136*
East Germany 61752*
Great Britain 26979 79052
Hungary 44632*
Japan 35711* 79077* 90057*
Louisiana 26716
Mali 71318*
Michigan 10884
Missouri 70957
Montana 44906
New Mexico 44603 44604
Nigeria 10635 10745 16213 19046
Northeastern States 90027
Northern Ireland 44580
Oregon 35670
Pacific Northwest 2789 26986 90288
Philippines 10565 10569
Southern States 53123
Southwestern States 2781
statistics 35890 90273
Switzerland 2638* 90054*
USSR 2662* 61728*
Utah 35883 44588
Virginia 79407
Washington 35641 44602 61730
Western States 10875
Wyoming 79408 88513
ownership 2603 2786 44635 44655 61764 70987

Item

Forests--Cont
ownership--cont
Germany 26721* 49245* 49360* 49364*
Italy 26744*
Japan 71007*
Michigan 61755
New York 53195 53206
reviews 44624
Southern States 2593 53199
Switzerland 15139*
Virginia 44614
pest control 4773 4777 9033 12642 12650 12667 15882 15917 29146 55585 58822 73396 64069*
biological 12656 81871 81877 12630* 20917* 29150* 37824* 64094* 64099* 73365*
Bulgaria 37822*
Canada 64089 81896
Estonia 20896*
Germany 12638*
Rumania 4769*
USSR 92239 46645* 46646* 63782* 64087* 73372* 73380* 73393* 92234*
Yugoslavia 81891*
California 37814
Canada 4745 4747 64104 81916
Czechoslovakia 67706*
equipment 55597* 64114*
France 37800* 50191* 64071* 86608*
Germany 12661* 12669* 20897* 55588* 73390* 73397*
East Germany 64077*
Great Britain 92224
Hungary 81901*
India 81905
legislation 20881 55555
Maine 55571
Netherlands 64099*
New York 4748
Poland 37824* 73391* 81892*
policies and programs 15890 64074 20903* 92229*
Rumania 29140* 37802* 41587* 46635* 73384*
situation and outlook 12656 20892
Southern States 4741 15890 55570
Spain 81912*
Sweden 81889*
Uganda 81870
USSR 12621* 12647* 20921* 37562* 46639* 73378* 73401* 81873* 81881* 92218* 92250*
West Africa 73116
Yugoslavia 81891* 92238*
pest resistance 92225
pests 17222 37764 46660* 64092* 92248*
Adirondack Mountains 4752
California 71308
Canada 46657
Connecticut 21361
Czechoslovakia 92230*
Eastern States 4744
ecology 4766* 5520* 21361* 37992* 82734*
Europe 37829*
forecasting 4772* 29144* 37802* 73405*
France 86608*
Germany 29136* 29162* 61982* 81908*

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Item

Forests--Cont
pests--cont
Greece 33069
habits and behavior 12627 29351 55723 29253* 92236*
Hawaii 4753
Hungary 73373* 81901*
identification 46657 55561 55571 73396 81865
India 4763 12648 29156
Japan 55578* 64100*
Kenya 12658*
Michigan 64233
Minnesota 73359
Netherlands 12632*
New York 8391 12662 29159 58901 92245
outbreaks 55569* 64066* 92232*
Austria 12644* 12657* 20912*
Canada 4746 64097 64112 81878
Germany 92227*
East Germany 37830* 64076*
Japan 4776* 55577*
New York 92221
Poland 12625* 20890* 46649* 73391*
Rumania 4772* 64108*
Switzerland 37794*
USSR 20900* 55584*
Wisconsin 37797
Yugoslavia 12668* 73368*
Pacific Northwest 55593
Poland 73385 29149*
Rumania 33050*
situation and outlook 20877 20913 29149*
Southern States 20874 24109 55561
Spain 37819* 81904*
study and teaching 61978
surveys 4761 12986
Australia 12651
California 77033
Canada 15883 20904 46653 77035 86689 92237
Germany 92227*
Illinois 37818
Lake States 92228
Michigan 24151
USSR 64088* 64117*
Sweden 12637*
Turkey 33069
USSR 29165* 73357* 73814*
Washington 12646
Yugoslavia 4440* 81900* 81902*
planting 26796* 44787*
Allegheny Mountains 35837
Argentina 35749*
Congo 61945*
desert areas 90215
direct seeding 2741 10752 18923 90207 10770* 90232*
Canada 2702
equipment 10723 35810 44854*
Great Britain 10750
Hungary 19015*
Kansas 2750
Louisiana 10731
mountain areas 10735*
New Zealand 26921
North Carolina 35836

Item

Forests--Cont
planting--cont
direct seeding--cont
Pacific Northwest 90185
Rumania 10703*
Southern States 53399 53404
Texas 26909
USSR 44859* 53278* 61906* 61924* 71210* 90221* 90227* 90244*
equipment 18936* 61886* 61910* 61957* 71205* 79361* 90214*
India 2754
Ivory Coast 44729*
Netherlands 90160*
New York 29159
Northeastern States 35819
Norway 53343*
statistics 44853
Tropics 10792
USSR 61937 61960 44816*
planting date 10738* 53402*
private 2589 10878 26756 35889 44618 61725 90066
Austria 44625*
Czechoslovakia 18752*
Germany 10645 29136* 35671* 35910* 44627*
Great Britain 2579 90184
Japan 35666*
Scotland 10604 90060
Switzerland 15128*
Washington 44622
protection 2762 26949 26950
associations 2767 26943 35845
Australia 26935 26940 26945
Austria 79374* 94861*
Czechoslovakia 44599* 90257*
equipment 26924
France 50191*
Germany 10808 10804* 10805* 35848* 44870* 61973* 71330*
East Germany 71310* 71319*
Great Britain 79365 79366 79378
Hungary 19020* 90262*
India 10532 61974
Japan 79379*
Lake States 26941 53437
New England States 26936
Oregon 44869
Pacific Northwest 26939
Rumania 44862*
Scotland 53441*
Switzerland 61977*
terminology 10532
Texas 26909
USSR 19019* 61948* 61981* 71300* 71336* 79367* 90256* 90260*
Yugoslavia 44866*
pure 29159 61947 2724* 18804* 18866*
recreational use 2786 10865 10868 10869 10870 10872 10878 19077 35885 35889 44903 53477 53480 61321 62000 62002 62003 62006 70957 71338 79417 90079 90289 10857*
Australia 44543
Austria 90286*

Item

Forests--Cont
recreational use--cont
California 44900
Canada 53489
conferences and congresses 10883
Germany 53479* 53488* 71335* 79412*
Great Britain 44899
history 44905
Hungary 10876*
Lake States 10864
Maine 26983 44895 79409
Michigan 10884 62004
New Hampshire 53483
New Mexico 2780
Oregon 10882
policies and programs 44905
Scotland 35887
Southern States 19081
Switzerland 19052* 19067* 35734*
Utah 35883
Washington 10881
Western States 10875
Wisconsin 19073 19080 23402 26980
regeneration 2747 8703 21278 44821* 79313*
Alabama 2693
Appalachian Mountains 35748
Australia 10737 61903
Bulgaria 19007* 61932*
Burma 10664
Canada 18959 26732 53379 63368 79303
Caucasus 90210*
conferences and congresses 90241
Czechoslovakia 18966* 35869* 71096*
Finland 19022* 90176*
Germany 26816* 71291*
East Germany 71223*
Great Britain 61950 71185 79316 90184 90222
Hungary 71247*
India 2754 61882
Indiana 44796
Maine 2694 2736 35758
Malaya 35750 44743 53442 61807 90253
Michigan 53309
mountain areas 71223* 79275*
New Zealand 35815
Nigeria 10745
Norway 44789* 53393*
Pakistan 10742
reviews 71199*
Rumania 4755* 10789* 10791* 44844*
Scotland 10732 90219
Southeastern States 71207
Southern States 44761 53395
Sweden 44804* 71206* 90199* 90224*
Tropics 10722
USSR 2703* 2743* 10596* 18903* 18963* 18994* 19005* 19019* 44718* 44746* 44817* 44820* 44838* 44843* 50600* 53378* 61736* 61892* 61971* 71212* 79284* 79335* 79338* 79342* 90144* 90145* 90183* 90203* 90230* 90231* 90234* 90237* 90310*
West Virginia 53424
Wisconsin 44806
Yugoslavia 79282*

Item

Forests--Cont
resources 2589 44650 49266 53170 53174 61744
Africa 79110
Alaska 44557*
Argentina 19288* 90044*
Bolivia 18727
British Guiana 53721
British Honduras 53721
California 35651 70994
Canada 18731 26732
China 61737*
Congo 61735*
European Economic Community 44597*
Finland 2588* 18714* 26731*
France 61733*
French Guiana 53721
Great Britain 18716 18734
Hungary 18717* 18967* 35655*
India 44600 18715*
Indonesia 26730*
Iowa 35652
Iran 70995*
Italy 30914* 44606* 79113* 79116*
Japan 35664*
Kansas 90051
Lebanon 79112*
Louisiana 70999
Maine 10593 70996
Michigan 10587
Nebraska 53176
New Zealand 44560*
Norway 35660*
Ozark Mountains 53172
Pacific Northwest 44705 79114
Pennsylvania 2586
Philippines 53238 79123
Poland 18718* 35654* 53171*
Portugal 61731*
Rumania 2584*
Sacramento Basin 10602
South America 18733 10589*
South Dakota 90043
Southeastern States 10603
Southern States 18732 53168 53175 53177 79121
Surinam 53721
Sweden 18719* 90047*
Switzerland 44596
Texas 2928
Tropics 18728 18733
Turkey 61698*
USSR 18730 2566* 2583* 2587* 10592* 10596* 18721* 18725* 18729* 19082* 26727* 44598* 44601* 53167* 61727* 61734* 70951* 70997* 70998* 71000* 71001* 79078* 90040* 90042* 90050*
Venezuela 10588*
West Indies 53721
Wisconsin 10600
Yugoslavia 26728* 35661* 62018* 79118*
rotation 53327 53328 71068*
sanitation cutting 35271*
school 18676 26670
seed tree cutting 10737 26867 44801
selection 2747
Czechoslovakia 26837* 79206*
Germany 2633* 53243* 71120*

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Item

Forests--Cont
selection--cont
Germany--cont
East Germany 10637*
Switzerland 18775*
USSR 35834*
Yugoslavia 10666* 44680*
shelterwood 44758* 71120* 90224*
sites 53332 21302* 46660* 71098* 79187* 79207*
Austria 10660*
Bulgaria 11117* 33484*
classification 10678 35701 35727 35819 44711 53305 10672* 53235* 77807*
Alabama 61785
Appalachian Mountains 10656
Arkansas 61857
Australia 44755
Brazil 71087
Canada 79190 79210
Estonia 26782*
Germany
East Germany 18785* 24532*
Louisiana 53281 61857
Montana 79202
New Hampshire 18836
Ohio 2644
Pacific Northwest 44668
South Carolina 53294
Tennessee 90091
USSR 61797 18796* 18805*
West Virginia 10797
Czechoslovakia 18860*
Florida 44752
Germany 18876* 19092* 53255* 68184* 70447* 79229*
East Germany 24532* 61048* 61777*
Great Britain 53288 90124
Hungary 35789* 61809*
Illinois 35702
Indiana 35784
Ireland 10378
Latvia 35726*
mapping 18827 61297* 61304* 68182* 79173*
Michigan 77301
Minnesota 16211
New Hampshire 53483
Northern Ireland 77309
Oregon 44712
Poland 68141*
preparation 2704 26913
Canada 79303
Czechoslovakia 10751*
equipment 18924* 18927* 18948* 26808* 44786* 53333* 71145* 79457*
Maine 35758
mountain areas 89458*
Netherlands 67818*
Poland 53317*
Southern States 53429 71207
USSR 18924* 18927* 19002* 19004* 19005* 26876* 26902* 61886* 61910* 79269*
reviews 35738*
Rhode Island 10638
Rumania 70448* 90122*
Southern States 44761
Sweden 79219
Switzerland 18775* 61843*

Item

Forests--Cont
sites--cont
USSR 61852* 90114*
Yugoslavia 44709* 79205*
small scale 2582 2603 10573 26756 44618 44635 44655 61744 61764 61765 71017 71022 71035 90066
Great Britain 90184
Michigan 61755
Southern States 53127 53211
Sweden 44920*
Virginia 44614
soils 2042 4777 10062 10098 10678 12734 16028 17867 17924 18235 18917 26119 33576 35108 35112 44013 46789 53306 53322 10058* 10669* 17918* 26845* 35152* 35198* 44007* 50589* 52604* 52624* 59086* 70286* 70419* 78477* 90090*
Allegheny Mountains 90282
Alps 2650*
Argentina 35749*
Austria 35752*
Belgium 76315*
bibliographies 2085
Bulgaria 35096* 35760*
California 89904
Canada 79190
Carpathian Mountains 70867
conferences and congresses 79220
Congo 43939*
Czechoslovakia 18882* 18966* 35239* 44040* 71117* 89625*
Finland 90157 53266* 70341* 79263*
Florida 18956
France 44719*
Germany 10023* 35217* 44741* 53279* 53353* 70447* 70505* 71133* 89598* 89647*
East Germany 18841* 26838* 35833* 61048* 61187* 61197* 61270* 61829* 70334*
Great Britain 53288
Greece 10085*
Hungary 61809* 70201*
India 969 10532 70432 78344
Indiana 35784
Iowa 52664
Ireland 79218
Ivory Coast 18185*
Japan 52658 10093* 18846* 73517*
Mexico 19018*
Mississippi 26804 26805
Montana 89469
mountain areas 19048*
Netherlands 18214* 35253*
New Hampshire 18836
New Zealand 10092 78534
Nigeria 18847
Norway 18183 70442*
Poland 10103* 10675* 26099* 53317* 61253* 70278* 70354* 70407* 71103* 78466*
reviews 18875 90153*
Rumania 10712* 44844* 52472* 70448*
Southeastern States 18897 79260

Item

Forests--Cont
soils--cont
Southern States 44764
study and teaching 90020
Sweden 44777*
Switzerland 26832* 61843*
terminology 10532
USSR 10013* 10115* 10118* 17873* 18351* 18577* 18870* 26173* 26176* 26190* 29143* 35124* 35213* 52482* 52508* 52637* 61234* 61287* 61852* 61856* 68150* 70208* 70210* 70230* 70231* 70248* 70441* 70707* 78304* 78353* 78366* 78471* 78536* 79191* 79406* 89448* 89521* 89569* 90161* 90206* 90256* 92218*
Wisconsin 53300
Yugoslavia 79205*
spraying and dusting 37798 92244*
Canada 81910
equipment 92243
Maine 20885
mountain areas 12647* 81881*
Norway 44759*
Tennessee 18883
USSR 29143* 37562*
state
California 35651 70994 71308
Michigan 53194 62004
New Hampshire 19076 53483
New York 35882
Northeastern States 90027
Ohio 53153
Oregon 10621
Southern States 53123
Wisconsin 19073 19080
statistics 61729*
Canada 40598 53169
Denmark 21911*
Finland 26726*
Germany 13582* 26733* 30319* 47818* 56506* 83591* 93178*
India 93187
Italy 47833* 83583*
Japan 83585 18726* 26724* 26725* 26729* 35663* 56518* 61726* 90045* 90046*
Korea 30325
Lake States 2590
Norway 2585*
Oregon 35653
Rumania 30332 93188 6090*
Southern States 53168
Spain 35662*
Sweden 10601*
Switzerland 79120*
USSR 18730 70997*
Washington 90041
surveys 44679 44706* 61729*
Alabama 10597
Amazon Basin 61782
Austria 18724*
Brazil 10634
California 10595
Canada 79115
Czechoslovakia 18720* 79152*
Estonia 61831
Finland 35707*
French Guiana 44595*
Germany 10645*
Italy 71046*

Item

Forests--Cont
surveys--cont
Norway 53166* 90048* 90049*
Philippines 53238
Poland 18722*
Southeastern States 18723 35657
Sweden 18813* 44804*
Tropics 44686*
USSR 79117*
Vietnam 61788*
Washington 90041
taxation 2582 18713 26723 53164 61725 70987 79100 79101 79105 79107
Austria 44593*
Bulgaria 35649*
California 70988
Denmark 70989* 90038*
Germany 79098* 79134*
Louisiana 10583
Minnesota 2580 53163
Netherlands 70986*
New Hampshire 35643
Washington 35645 35646 35647 35648
thinning 71572 2668* 2686* 18907* 35759* 35760* 44751* 79146*
Brazil 79250* 79262*
Czechoslovakia 18914*
Germany
East Germany 61777*
New York 61872
research
statistical methods 53237
Scotland 10691
Western States 18919
trap trees 37809* 92249*
trespass 18712* 62006*
Tropics 70948*
two-storied 53246 18846*
types 10655 42170 50602 50603 50618 50628 2626* 42149* 44630* 50609* 87167* 87176* 87200*
Alaska 53291
Albania 42124*
Appalachian Mountains 53277
Austria 26773*
Bulgaria 50585* 87169*
California 53252
Cameroun 10594*
Canada 658 79160
Caucasus 90210*
Central America 24521*
Central States 53260
China 90065*
Czechoslovakia 24512* 77352*
Finland 68130* 68145*
France 8660*
Georgia 53486
Greece 59294*
Hungary 87179*
India 629 680 59263
Lake States 53269
Latvia 24537* 35726* 61783*
Malaya 8704 26797 53234
Montana 2861
Northeastern States 53253
Pacific Northwest 53292
Philippines 10650 71062
Rocky Mountains 53259 53261
Rumania 24520* 64108*
Southeastern States 53297

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Item

Forests--Cont
types--cont
Southern States 53271
Sudan 42089
USSR 59302 59340
61858 10596* 18738*
18963* 18969* 42118*
42132* 42162* 50600*
50648* 53293* 59317*
61971* 61983* 68143*
71121* 71158* 71212*
73910* 79177* 77315*
79628* 87197* 87210*
87222* 87228* 89521*
89569* 90116* 90230*
Washington 2655
Yugoslavia 44709*
underplanting 26839*
44729* 71096*
uneven-aged 26767 35877
2605* 2636* 26770*
44740* 79199*
valuation 35676 53193
53200 10624* 44649*
61796*
Denmark 70989*
Estonia 44691*
France 10611* 44613*
Georgia 71041
Germany 18746* 53192*
71016* 79131* 79134*
East Germany 10637*
Japan 71012*
Michigan 10654
Poland 10620*
Rumania 35679* 35687*
Sweden 44631*
Switzerland 26740*
26752* 26765*
weed control 44760
53330 53336 71166
10751*
Austria 71147*
chemical 10689 18891
44745 53366 44768*
79261*
Finland 10694*
Florida 35756
Germany 10697*
44765*
Japan 79231*
Malaya 18916
Netherlands 71164*
90171* 90172*
New Hampshire 18908
Norway 44759*
Pakistan 53329
Poland 71149*
Sweden 79237* 81889*
Yugoslavia 44762*
Denmark 53337*
equipment 2683*
90152*
Germany 73397*
Hungary 90148*
Iowa 53339
mountain areas 61862*
Netherlands 61866*
90160*
Northeastern States
53355
reviews 2680
Rhode Island 2670
Southern States 44757
44761
study and teaching 71163*
wildlife relations 2747
10866 10874 26950
26974 26977 26981
26984 26985 61321
62005 79410 79415
19074* 26978* 35849*
35892* 44896* 53438*
Asia 53485
Australia 82082
Austria 79374* 90258*
90286* 90287*
Bulgaria 35847*
Canada 53478 53528

Item

Forests--Cont
wildlife relations--cont
Colorado 35879
Finland 35886*
France 44901*
Germany 35848* 71309*
Ghana 10617
Great Britain 44872
79366
Hungary 26970*
Lake States 26941
26976 53437
Louisiana 2787
Malaya 82082
New England States
26936
New Zealand 42171
Oregon 26973
Pacific Northwest
26939 26943
Pennsylvania 2763
26971
Scotland 53441*
Southern States 19081
26975 53484
Spain 19079*
USSR 61676* 71336*
79367* 79414* 90256*
Washington 26972
Wyoming 3356
Yugoslavia 44871*
windfall 8683 10949*
53523* 55588* 61693*
79454*
Germany 10803* 53439*
East Germany 79493*
Switzerland 2764*
Washington 12645
12646 55589
yields 10637* 12657*
18741* 18787* 26736*
79176* 90090*
Australia 10737
Austria 26773*
Canada 79161
Czechoslovakia 18914*
67706* 70985* 71023*
71078* 71091* 71117*
71242*
Estonia 61831
Europe 44568*
Finland 79130*
France 44713* 53201*
79138*
Germany 2666* 35880*
71027* 90285*
East Germany 18798*
61756* 61777* 61814*
India 61804 71019
Italy 44652* 79166*
Philippines 71062
90094
Poland 71066*
Sweden 18813*
Switzerland 26755*
USSR 61937 61960
90114*
Yugoslavia 81902*
SEE ALSO Experimental forests; Farm woodlands; Forest fires; Forest insects; Land, clearing; Rain forests; Reforestation; Tree farms; Trees; Wilderness areas; Wildlife; Wood; names of forests; and UNDER Nurseries; Photography, aerial; Railroads; Roads
Forficula auricularia 73866
82898
Formaldehyde
determination 39929*
disinfectant 19610* 20277*
33156* 77095*
effects on eggs 28283
72635
effects on fibers 65604
83990 84012 93487

Item

Formaldehyde--Cont
effects on insects 29437
29440
effects on plant disease
58913* 59049*
effects on plants 42834*
effects on viruses 20314
72336
in fruit juices 56966
in lumber preservation
53583*
in milk 74722*
in silage preparation 62314*
in tanning 31319 93867
in textile processing 84044
utilization 90594
vaccines 68015 28530*
28655* 80224* 80680*
91122*
Formalin SEE Formaldehyde
Formamide 67976
Formates 16972
Formazans 42511*
Formic acid 11630 16045
54948 55214* 56961*
56535*
Formica 4461 55564 5291*
29611* 55565*
Formica exsectoides 38422
Formica fusca 73794
Formica montana 38362
Formica nasuta 38412*
Formica nigricans 55876*
Formica polyctena 12972*
21353* 38372* 55214*
55568* 64561* 64562*
81883*
Formica rufa 38392 4769*
12630* 20896* 20932*
21353* 38372* 64555*
64561* 64562*
Formica rufa group 64561*
29603*
Formica sanguinea 64542*
Formica ulkei 64565
Formicinae 47081
Formicoidea SEE Ants
Formin SEE Methenamine
Formol SEE Formaldehyde
Formosempria 64554
Forschungsgemeinschaft "Mais" 69422*
Forschungsgesellschaft für Agrarpolitik und Agrarsoziologie 14853* 75821*
Forster G 58515*
Forsythia 1298 25791 920*
Forsythia intermedia 33923
Fortiella 68101
Fortschritte der Zoologie 37963*
Fortunella SEE Kumquat
Fossils SEE Paleobotany; and UNDER specific subjects
Fossocarus n g 29364
Foul foot SEE Foot rot
Foulbrood 12698* 46698*
64172* 81938*
American
causes 4822
control 37895* 81961*
82000* 92267*
Italy 92259*
resistance 20935
transmission 12699*
treatment 4835* 37875*
Yugoslavia 92267*
European 92285 4835*
37905* 46680* 81967*
82004* 92252* 92259*
Foundation Seed Program
1414 1418 1432
1453 1474 1530
1570 1608 1640
1844 69285 69287
69289 69304 69400
Canada 69298
Corn Belt 1475
Southern States 1483

Item

4-A Clubs 60664*
4-CPA 1251 34996 42540
4-H Clubs 32243 49486
49546 58204 76403
Arkansas 15302
awards 32248 58206
banking 31729
beef cattle 19952 54464
budgets 66378
conferences and congresses
85920 85921
conservation 53049
contests 49518
cookery 23647 23668
23673 23684 49538
58340 58341 75373
cotton 34457
dairy cattle 3614 19955
36750
Denmark 49538*
electricity 5899 21749
30095 38855 38856
47606 74356
fairs 85900
field crops 1422
finance 7808
fishing 49543 49544
49545
forestry 79317
fruit 34581
grain 34387
handicrafts 23540 23541
health and safety 15257
58180—58182
home management 23815
23816—23818 49857
49858
horses 72433
human nutrition 49702
Jamaica 40893
Latin America 32238*
leadership 23529—23531
32236 32237 40888
49514 66975 66976
66985 76439
livestock 14319 54063
membership 49540
Missouri 58202
North Carolina 40896
Oklahoma 66983 85914
parents 15302 23548
58203
Philippines 76439
photography 23547
poultry 20284
programs 23538 32251
49493 49522 57684
94715
California 49520
Georgia 58199
North Carolina 23536
Oklahoma 67023
Pennsylvania 49515
South Dakota 16992
23537
Washington 32252
psychology 58242
public relations 49516
49517 49519 49521
49524 49526 49529
49532—49534 49537
49539 85910*
radios 5899
sheep 37283
Sweden 23543*
swine 12311 55146 73047
tobacco 17266
vegetables 34581
Virginia 66987
Washington 49541
Wisconsin 23518 67024
woodworking 10927 19161
27037
Nicaragua 76446* 85912*
4-(2,4-DB) 70055
Foveobracon SEE Bracon (Foveobracon)
Foveoscapha n g 82271
Fowl cholera 46054 72701
20269* 20280* 71828*

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Item

Fowl cholera--Cont
control 11986 49560 20270* 20277* 20278* 20281*
ducks 46024* 80886*
immunization 46012 46032*
transmission 20279* 80898*
vaccines 45960 46012 46032* 53965* 72644* 80848*
Fowl paralysis SEE Lymphomatosis
Fowl pest
diagnosis 91471*
immunization 28235* 54746*
prevention 91478
vaccines 28235* 54776*
virus 3959 54822 54823 72684* 91556*
Fowl plague SEE Fowl pest
Fowl pox 37024* 63329*
control 63261*
diagnosis 80823
immunization 3964 37015 63299 80883 37009* 63261*
prevention 80887*
treatment 28238* 28273*
turkeys 20186*
vaccines 3912 20186* 36256* 37009* 54776* 91504*
virus 3926 46039 80871 12003* 28305* 63260*
Fowl typhoid 28339 46051 20188*
causes 28200
control 11986 37110 63350 63334*
eradication 72694
treatment 37047 37082
Foxes
breeds 11805* 37567*
Silver 91276* 91277*
Silver Black 11801* 20056* 36867* 37567* 45812* 63089* 63112* 63116* 72379*
deficiency diseases 80601*
fertility 91277*
hereditary diseases 54581
parasites 81541*
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Foxtail millet SEE Setaria italica
Fractures
cats 91264 3712*
cattle 11597 19826 19874 11603*
dogs 27982 3712* 72354*
pinning 11761 91214
treatment 28028 36798 54529 54559 72319 80549 28053* 36792* 54550* 63003* 72306* 80568*
horses 11841 45342 63173 80624 80651 54632* 72416*
pinning 3139
treatment 11279 19468 45321 53825 53914 62433* 71776*
Fragaria 76975 42182* 68422*
Fragaria orientalis 33699
Fragilaria 32927*
Frampton Experimental Forest 79124
Framycetin 27706*
France Brigade Nationale de Protection et de Controle des Appelations d'Origine des Vins et Eaux-de-vie 39141*

Item

France Centre National de la Recherche Scientifique Centre de Selection des Animaux Laboratoires 91336*
France Centre Regional d'Etudes des Problemes Ruraux de Montagne SEE Grenoble Centre Regional d'Etudes des Problemes Ruraux de Montagne
France Institut Français du Caoutchouc 31496*
France Off National Interprofessionel des Cereales 75287*
France Reserve Zoologique et Botanique 58563*
France Serv Veterinaire Sanitaire de Paris et du Dept de la Seine 45268*
Francis M 49810
Frangula SEE Rhamnus
Franklinia alatamaha 1778
Frankliniella 12459
Frankliniella fusca 29034
Frankliniella occidentalis 12498 28985 29033 29034 55386 82905
Franklinothrips vespiformis 46569
Frantin 54976* 81029*
Franzini A F 8026*
Fraxin 16945*
Fraxinus
crowns 18975*
diseases 8387 8517 33161 86957*
ecology 16228*
taxonomy 86413*
varieties 43578
wood 10929 11090 2855* 90458*
Fraxinus americana 25182 88094 61962*
Fraxinus excelsior 35198* 52604*
anatomy and physiology 59652*
culture 61962* 71128*
ecology 33570
growth 71049*
wood 45136*
Fraxinus mandshurica 10702* 42677*
Fraxinus ornus 8908 67435*
Fraxoside SEE Fraxin
Frea 92348*
Frechinia n g 29702
Freckle
apricots 257
Fredericton Maritime Forest Ranger School 70958
Fredia n g 47130*
Freeborn S B 15576 32532
Freedom-from-Hunger Campaign 7541 65061 83300 94331 5925* 13425*
Freeman O L 5991 49154 94125
Freemartins 72640*
Freesia 43476 17447*
Freezing of food SEE Locker plants; Refrigeration; and SUBHEADS dehydrofreezing; freeze-drying; freezing; frozen UNDER Food and names of commodities
Freight cars 64037 65738 66242 81384*
SEE ALSO Refrigerator cars
Freight rates 47708 84429 84457
Fremontia 52021
French C E 41208
Frenching
Nicotiana 9203
Freudeita 82215*

Item

Freudella n g 38067* 92372*
Freund's adjuvant 42049*
Frey-Wyssling A 32529* 32559*
Freycinetia 86509
Friend R B 86222
Friesch Rundvee-Stamboek 71837 71969
Frightening devices for birds 77074*
Frisch K von 64175 41182* 49811* 86195*
Frisch R 73407*
Fritillaria graeca 87301*
Fritillaria lanceolata 87340
Fritillaria meleagris 69610*
Frits 18317 61644 70260 89515*
Fritschiella 67554
Friuli Scuola-Agraria di Pozzuolo 85879*
Froelichia 58697
Frogeye
tobacco 77190
Frogs 12893 12909 81451 46760*
Frommes Forstkalender 79059*
Frontier theory (F J Turner) 85676
Frontopsylla 38575*
Frontopsylla lapponica 56041
Frost SEE Cold
Frost insurance 49049*
Frozen desserts 6355 7167 22093 23680 65507
analysis and composition 93311
consumer preferences 39295 47954
consumption 74757
grading and standardization 13793
ingredients 65523
legal aspects 83863*
manufacture 6350 48046 65497 65512 83924 83939
marketing 93341
regulation and inspection 83863*
situation and outlook 22011
Fructosans 16506 9309*
Fructose
chemistry 22639
determination 85064
in food 65523
in insect physiology 5211
in plants 42889 60308*
in semen 3259 12176 12183 27508* 71948*
in sheep physiology 4100
in vegetables 48469
oxidation reduction potential 22863*
Fructose-1,6-diphosphatase 34337 56974
Fructose-6-phosphate 12781 16768
Fruit
accounting 85612*
acids 6637 22326 65707 60195*
acreage and area
California 84395
Netherlands 31069*
USSR 14202* 14207* 22303* 32108*
advertising 14101 22369 48370 84244 84247 84277 84278
Germany 22364* 57040*
analysis and composition 6637 14070 22326 22335 30941 48336 48338 56969 65707 65717 75094 75110 84196 84199 84206 84219 93559 14068* 39653* 49719* 65712*

Item

Fruit--Cont
anatomy and physiology 1138 9143 16884 33942 50996 51249 51286 59807 60060 69109 87559 87698 9130* 16520* 16575* 16598* 16599* 16666* 24945* 25127* 33897* 34012* 34057* 34128* 34600* 42489* 42621* 42736* 46593* 51149* 51160* 52409* 59970* 60001* 60105* 60270* 68572* 87568* 87592* 87632* 87657* 87721* 87732* 87986*
bibliographies 1002 1011
reviews 24831*
associations
Canada 17307
Connecticut 9611
Germany 14053*
New York 84161
Switzerland 1673* 1676* 43371* 84171* 93548*
bacteria 30950
bacterial diseases 529 50435
Bulgaria 86977*
control 33355* 59109*
France 41945* 50455*
Germany 50440*
Israel 24396
Switzerland 41954*
USSR 8563*
bibliographies 48316 75063
biennial bearing 42489* 87632*
biochemistry 22424 51455 65778 65824 65825 65832 25263* 51476* 60319* 77824* 88155*
reviews 14056
breeding 9585 17280 51905 77846 69944*
France 43407*
Germany
East Germany 43366*
Hungary 34608
research
statistical methods 16485
Taiwan 77845
USSR 1675* 25562* 25563* 34598* 43374* 51897* 68462* 69703* 88853* 88875*
candied 6710
canned
Australia 14135
chemistry 6689
color 75205*
containers 48418*
Germany 31022*
Great Britain 39746 75182
Lithuania 75230*
marketing 22378 57009
Rumania 93667*
situation and outlook 57054 75059 83301
Spain 6704
Texas 22378
trade 75059
Tropics 48476
USSR 93642*
weight and measurement 93598*
canning 75221 84324 14150* 65783*
Argentina 14188
USSR 75203* 93653*
care and handling 14138 14170 57050 84274 84325 84373 93579

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Item

Fruit--Cont
care and handling--cont
Australia 14160 14161
USSR 6697*
chemistry 22395 22401 93635*
cleaning 84343
conferences and congresses 9611 34635 43369 78030 43362* 43363*
consumer preferences 75129 84277 43361* 48346* 84229*
consumption 14072 30962 75125
Europe 94777*
European Economic Community 22345
France 48343*
Italy 65732
Norway 57119*
Sweden 22375
Switzerland 14071* 14073*
containers 6689 14121 48419 65778 84302 84308 93616 14125* 14199* 45041* 84306*
contamination 14070 20816 22335 22393 30941 39703 65755 75149 39698* 39710* 48397* 84297* 92153*
cookery 15421 23680 94816
cooling 31012 6705* 84353*
cooperatives 6658 6662 6664 6666 6669 14082 39681 48391 65686
Brazil 83407*
California 57006 57008 75131
Canada 30977
conferences and congresses 6672
Denmark 39691* 75132*
France 30986*
Germany 14094* 22370* 30969* 57004*
Great Britain 48367
Italy 93582*
costs and returns 93619
Bulgaria 40686* 43443*
France 32060*
Germany 49328* 58022*
Michigan 49325
Netherlands 49349* 58031*
New York 40667 49334
Norway 15925* 32054*
Poland 15084*
USSR 23250* 23303* 31993* 58035* 58049* 93586*
credit 22997 48292*
culture 33127 41676 88836 88837 88848 15872* 25126* 25567* 86641*
Australia 43372 69702 69707
Belgium 25570* 58821* 60691*
Bulgaria 43443* 88828* 88829* 93543*
Czechoslovakia 1671* 1680* 25551* 60885* 88842* 89288*
Denmark 9630* 51896* 88831*
Florida 88835
France 9579 44324 69705 15915* 15916* 15937* 24120* 25549* 25558* 33052* 34592* 34603* 34610* 41589* 43412* 43416* 44087* 63981*

Fruit--Cont
culture--cont
French Overseas Territories 43388*
Germany 69705 1677* 9574* 9578* 15892* 17303* 41639* 51894*
East Germany 43367* 63991* 69711*
Great Britain 34596 34597 69708 83049
Hawaii 17311
Italy 9574* 25571* 35433* 78032* 78034* 83057* 88851*
Japan 25568*
Kentucky 51889
Lithuania 9583* 51881*
Michigan 78037
mountain areas 88842*
Netherlands 64012 81789 2368* 9635* 15935* 17301* 25565* 25816* 25836* 35413* 51882* 58826* 60694*
New Zealand 43364 58818 77068
Norway 8378* 9570* 25550* 60643*
Poland 17302* 88847*
reviews 35293*
Rumania 18394* 25566* 88846*
Spain 24117* 70513*
study and teaching 1670
Sweden 34605* 51888* 51893* 51895* 51902* 51903* 51906*
Switzerland 9574* 14071* 25545* 25556*
Taiwan 77845
USSR 1678* 1679* 8323* 9584* 17298* 25555* 25561* 25569* 25573* 26876* 34595* 34697* 44317* 51883* 51890* 51901* 60635* 60636* 60638* 60644* 60675* 69697* 69710* 86639* 88838* 88840*
Washington 86692
cytology 24671
defects 30998*
directories 6626 22308 75087 84264 39587* 84138*
Florida 48295
Great Britain 75072
discoloration 22401
disease resistance 34608 51905
diseases 8374* 15880*
Belgium 50150*
Chile 8380
control 41695*
Canada 41597
Denmark 86648*
Germany 24142*
Great Britain 24161
Idaho 33077
Indiana 8372
Italy 58892*
Minnesota 50202
New Jersey 50236
New York 41724
New Zealand 15956
Switzerland 67673*
Tennessee 15894
USSR 15929* 24162* 41680* 41718* 50248* 86623*
Utah 50196
Virginia 86647
Illinois 15931 77072
Maryland 58910
Netherlands 33097*
Poland 86695*
reviews 50198*
USSR 9582* 41583* 67762*

Fruit--Cont
diseases--cont
Yugoslavia 8364*
dried
analysis and composition 22342
Australia 14025 22414 22438 31044 39728 65823 93672
California 84360
India 14137
marketing 14107 57009 84275
pest control 55541
Republic of South Africa 75222
situation and outlook 65830 75059 83301
trade 75059 32416*
drying 31052 31053 31063 65774 57063* 57074*
equipment 6706*
dwarf 9791 25560* 51899* 69697* 88838*
ecology 33567* 68157*
equipment
Germany 82932*
Italy 21525* 30008* 83057*
USSR 21598* 47349*
espalier 17300 51888* 69701* 78067*
farms 7635* 23250* 76167*
fertilizers 2297 10207 10208 10268 44143 18293* 26352* 64868*
Australia 10199
Austria 44233
California 87676
Denmark 70480* 89745*
France 18346* 44184* 52697*
Germany 10309* 18290* 26364* 44154* 44181* 44290* 44291* 70652*
East Germany 18259*
Great Britain 10166 61359
Hungary 26249*
Iran 61431*
Italy 35314* 52797* 89634* 89648*
Pakistan 26267
Republic of South Africa 26255
research
statistical methods 70675*
reviews 35293
Rumania 52716*
Switzerland 26330* 70538*
Tennessee 26315
USSR 10315* 35345* 52774*
Western States 2305
flavor and odor 60626
flowering date 59911 9130* 15892*
for processing 48336 48408 30900* 56994* 84255* 93603*
freezing 6722 39735 84324 93636 31029*
frozen
discoloration 31029*
France 22400*
Germany 6722* 31018*
Great Britain 39746 75182
Italy 39758*
regulation and inspection 6681
transportation 6681 30188
fungus diseases 33959 33960 50349 58937*

Fruit--Cont
fungus diseases--cont
Australia 15996 24303 24311 41764
control 33307 47477 8453* 8524* 16029*
Australia 8342 24307
France 41735*
Germany 41825* 41877*
Idaho 24245
Italy 77157*
Netherlands 86745*
USSR 8508*
France 41915*
Germany 41776*
Switzerland 86921*
Western States 67828
genetics 50855 68462* 77461*
germination 42732*
grading and standardization 48398 65758 84285 14114* 93608*
hardiness 16777 34599 34608 87935 34598* 42768* 59864* 68563* 69698*
harvesting 51887
costs 38700*
Denmark 17297*
equipment 5777 13245 29941 47419 64884 83114 92794 5778* 13257* 38700*
California 5739
Germany 83092*
Hungary 74087*
Oregon 38694
Switzerland 5743*
Germany
East Germany 9580*
labor 40375
Norway 9577*
USSR 6697*
history 22319 22322
Florida 65690
France 22289 22297* 48304* 56958*
Hungary 65839*
India 30903
Poland 88845*
hybrids 25562*
illustrations 34607*
indemnities 94609*
industry 39632 93546* 93551*
Argentina 22290*
Australia 39899 75051 75083*
Bulgaria 75077* 93543*
California 75082 93545
Denmark 22316 76520*
El Salvador 84149*
European Economic Community 75076*
Florida 48288 65678
France 22289 22297*
Georgia 75060
Germany 39623* 65687*
Great Britain 6605 22286
Hawaii 48348
Italy 39591* 39601* 48292* 48309* 56959*
Kenya 22302
North Carolina 56943
Northern Ireland 48306
Pacific Northwest 84396
Pakistan 48300
Republic of South Africa 22320
Switzerland 22317 30899* 75075*
USSR 22295 6627* 56944* 65679* 65683*
vertical integration 30900*
Virginia 6613

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Item

Fruit--Cont
injuries 59807 8335* 8339* 8351* 15892* 15908* 15935* 16029* 24137* 41595* 50243* 58866* 67729* 67740* 77045* 86641* 86723*
Australia 8340
Denmark 73296*
Finland 41665*
France 15915* 15916* 15937* 24120* 24171* 33052*
Germany 67759*
Idaho 33074
Illinois 15928
Japan 67701*
New Zealand 327
Sweden 41636* 50211*
USSR 24113*
Washington 86692
irradiation 48461 48485 57099 75224 84381
irrigation 70822 18525* 78919*
Australia 44375
Bulgaria 88829*
Canada 70840
France 18346* 18526* 60001*
Idaho 35501 78913
Netherlands 61577*
USSR 89884*
Japan 88827
judging 48346*
juices and sirups
analysis and composition 13671 39644 48329 56962 6151* 6640* 13663* 22336* 39649* 48331* 56961* 75113* 84193* 93562*
Bulgaria 93539*
Canada 65677
canning 75238*
chemistry 56982 57079 65720* 75089* 75099* 84223*
clarification 83687*
concentrates 57073 65497 65814 14182* 65343* 74629* 83702* 84367*
analysis and composition 22336*
equipment 57081*
freezing 84384*
packing 84303
consumption 39658 65677 65726 57096*
containers 6688
contamination 39644 39649*
drying 57106
enzymes 57079 75089*
extraction 14132* 14190*
fermentation 56982
fortified 49737
freezing 57078 57112
Germany 30925* 93542*
grading and standardization 57016 57020 14113*
industry 14049 56952 56956 93542*
Italy 13679* 21986* 39592*
microorganisms 14057 14058 56965 30940*
nutritive value 58354 76637*
processing 14141 57051 57055 57077 57079 57109—57111 57115 6725* 22429* 56563* 57093* 65777* 65780* 75239* 84347* 84389* 93625*
equipment 57072

Item

Fruit--Cont
juices and sirups--cont
properties 56977*
refrigeration 14182* 75239*
regulation and inspection 57016 57020
sanitation 57058
situation and outlook 75059 30934*
spoilage 57019 30940*
sterilization 75238*
storage 14141 84354 57096*
trade 75059
vitamins 22388 49737 56982 75099*
keeping quality 93652*
labeling 39687
labor 14763* 49109* 57785*
costs 14138 58022*
Germany 49111*
Illinois 85298
Netherlands 49349*
Switzerland 7451*
USSR 14749* 14754* 66444*
losses 57116 84238 84242 65682*
marketing 6678 14078 14079 14080 14086 14104 22319 22351 22357 22368 22372 22380 39662 39682 39686 48366 48377 48380 48383 57005 65735 84273 93579 93594 65746* 75142*
Argentina 22290*
Australia 14075 30966 31003 75167
California 48363
Colorado 93588
Denmark 39691*
directories 21824
District of Columbia 57003
Europe 6663 22363 48386
Florida 65742
France 22350* 30971* 48359*
Georgia 75060
Germany 14094* 14109* 22366* 29076* 30969* 39676* 56988* 56996* 57002* 75143*
Great Britain 22354 40983 48369 65740
Indiana 84236
Italy 65732 22352* 84276*
Kentucky 14100
legal aspects 48382 48384 48388
Massachusetts 39683
Michigan 30978
Montana 93588
Netherlands 65733 30981* 75135* 75136* 84255*
New Hampshire 57014
New Mexico 93588
New York 48360 84263 93587
Northern Ireland 48378
Norway 48379*
Ohio 39687
Oregon 14093
Portugal 48358*
Republic of South Africa 39678
statistics 48392 57013 65748 84239
Sweden 22375
Switzerland 22360* 30899* 30982* 84282*
Texas 14090 93588
USSR 93586*

Item

Fruit--Cont
marketing--cont
United Arab Republic 22356
Utah 93588
Virginia 84260
mechanization 13146 82943
California 38624
Denmark 38634*
Germany 13155*
Hungary 92701*
Italy 56061*
USSR 47304*
microorganisms 75149 48341*
morphology 842 42230* 50704* 59381*
nematodes 608 610 33442 77278
nutritional deficiencies 8880 44143 87676 87777 87835 88033*
nutritive value 15468 23690 23698 41079 49719 15470* 15479* 23701* 30917* 32467* 41072* 86085*
orchards
appraisal 15159 23430 85789 94609*
Australia 31076
California 43391
Canada 22292
France 32060*
Germany
East Germany 49219*
heating 319
Hungary 47347* 70180*
Illinois 22398
India 25548 31949
Japan 55681
layouts 34591* 51892* 51923* 51985* 60645*
management 66672 85531 85595 10726* 10790* 17308* 35293*
Belgium 60935*
Bulgaria 76194*
California 12569
Estonia 34606*
Florida 60668
France 43412* 43714* 44164* 44250*
Germany 23299* 58022* 83052*
East Germany 9576* 66692*
Great Britain 25553 40570
Hungary 76178*
Italy 88841*
Michigan 78037
Middle Western States 82943
Poland 14993*
Texas 17318
USSR 9573* 31993* 40553* 40611* 60640* 63992* 88834* 88843* 88906* 89200*
New York 49334
Oregon 35395
Republic of South Africa 14206
South Carolina 48497
USSR 14033* 17310* 20848* 23303* 43419* 51908* 51909* 69315* 70703*
packing 14080 14124 22408 57050 65825 75170 75172 84343 57034* 65768* 84352*
Australia 31003 75167
bibliographies 57033
costs 65766
equipment 48421* 57037*
Europe 22407

Item

Fruit--Cont
packing--cont
Germany 14109* 57038* 84307*
Illinois 84317
Italy 93611*
Norway 57040*
structures 6695 65762* 65767*
Switzerland 65770*
pest control 4681 4684 12560 15905 29058 29104 37698 37708 46553 46576 58848 73313 81750 81779 37649* 63981* 63986* 77074*
Argentina 20817* 20855* 20856* 29065* 64023* 92147*
Australia 8342 20847 29071 46573 81385
biological 12546* 46545* 46546* 46547* 73319* 92177*
Australia 64015 81808
Canada 20828
Estonia 63999*
Hawaii 81743
Latvia 63982*
Mexico 92162*
USSR 12542* 55483* 63975* 73269* 73294* 73307*
Bulgaria 92150* 92151*
California 67739
Canada 20850 33042 41597 64009*
Central America 92142*
China 37709*
Connecticut 8365 8381 8390 12548 46580
El Salvador 73311*
Europe 29069
France 29062* 37696* 46526* 46534* 46568* 55497*
Germany 24142* 33048* 46597* 81752*
East Germany 12573* 12574* 37746*
Great Britain 24161 92159
Idaho 37727 37733
Illinois 77061
India 29105 38327
Indiana 8372
Israel 4700
Italy 46572*
Japan 29102*
Kenya 81720
Mauritius 63776*
Mediterranean area 29069
Mexico 4705 92137*
Minnesota 50202
Netherlands 81789 92144* 92172*
New Jersey 50236
New York 41724 81758
New Zealand 12555 15956 67698 81749
Norway 58903*
Ohio 4682
Oregon 46543
Poland 46548* 46593* 46594* 46602*
Republic of South Africa 46560 81783 81819
Rumania 63998*
Spain 81794*
Switzerland 37743* 64025* 73096* 73266*
Tennessee 15894
USSR 12547* 12554* 12589* 15929* 20845* 20848* 20853* 24162* 29063* 29092* 29095*

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Item

Fruit--Cont
pest control--cont
USSR--cont
33095* 37726* 41680*
41718* 46595* 46557*
50248* 55512* 64007*
73270* 73271* 73273*
73286* 73287* 73292*
73293* 73295* 73320*
81770* 81820* 86623*
92145* 92164* 92180*
92184*
Utah 50196
Virginia 15938
Washington 46535
Yugoslavia 92163*
92183*
pest resistance 46581
63902*
pests 46553 46599 82518
Angola 55496*
Argentina 73274*
Australia 4672 4697
12543 12581 92154
Austria 46531*
Belgium 50150*
Bulgaria 92152*
Canada 20840 63988
82549
Connecticut 12548
Denmark 33088*
El Salvador 73311*
forecasting 12530*
12573* 46538* 46583*
73268* 73272*
France 29062* 37730*
46538* 77060*
Germany 29076* 46530*
East Germany 63902*
63991*
Great Britain 20819
37639 37718 73566
73842
Hawaii 81743
Illinois 20832 81780
India 12585
Israel 12536 81787
Italy 20839* 37738*
37748*
Lebanon 81813 12578*
12579*
Mexico 92177*
Netherlands 63798
64012 33097* 92156*
Norway 20814*
outbreaks 4687*
Pakistan 37722
Pennsylvania 86629
Poland 4710* 73305*
81745* 86695*
Rhodesia and Nyasaland 20807
surveys 20838 37703*
Switzerland 21357*
37697*
Syria 81813
Turkey 46554*
USSR 37702* 67762*
73301* 73743*
Yugoslavia 4440* 8364*
planting 9586* 18293*
25567*
equipment 13215*
Germany 25547* 29908*
East Germany 9576*
Illinois 17309
Italy 88830* 88841*
88844*
reviews 34591*
Spain 78036*
Switzerland 78077*
88849*
USSR 17310* 26876*
60639*
policies and programs 6608
Argentina 30896*
France 22306* 22307*
30912* 39617* 56947*

Item

Fruit--Cont
policies and programs--cont
Germany 14053* 48303*
East Germany 14029*
India 31949
Italy 75049*
Republic of South Africa 75080 84167
USSR 14027* 14039*
22303* 22315* 30913*
39600* 56944* 56950*
65680* 84137* 84154*
84175*
pollination 34169 37869
37896 59911 64171
64192 73086 73419
81943 81965 12702*
37890* 46690* 64129*
91995*
pre-harvest drop 25103*
prices 57045 93619
84228*
Canada 22446
Germany 65773 49328*
Norway 31005*
Switzerland 84309*
processed 22429* 39653*
93635*
analysis and composition 65717
Canada 13573 22446
color 65813 75205*
consumption 30962
containers 65813
directories 6732
fortified 32476*
Germany 75242*
grading and standardization 93608*
Italy 14154*
Netherlands 14153*
nutritive value 23701*
32476*
policies and programs 39759*
prices 22446
regulation and inspection 6687
Spain 39759*
trade 58292
Benelux 23631*
European Economic Community 58253*
67046* 76521*
France 15400*
Germany 23630*
58279*
Great Britain 58292
Italy 84331*
Netherlands 7909*
Poland 32397*
processing 6702 65822
75231 84348 93670
31040* 39763*
Canada 31025
Czechoslovakia 93646*
equipment 93629*
Germany 31046 57075*
65828* 75190* 84393*
India 84310
Italy 22352* 84331*
84390*
Netherlands 93673
84391*
Norway 14179*
Poland 31011*
Rumania 93632*
sanitation 31066*
study and teaching 31046
Switzerland 14190*
USSR 31064* 48352*
93642*
production quotas 31069*
production regions 75060
48292* 75077*
products 6122 48032
93670 93224*
analysis and composition 48753*

Item

Fruit--Cont
products--cont
Belgium 56534*
Great Britain 22437
83581
Italy 56994*
processing 14141
regulation and inspection 93670
propagation
by cuttings 25552* 34600*
by grafting and budding
9575 9625 9791
17306 51898 68037
78031 88852 1674*
9571* 21598* 25559*
25560* 25564* 25629*
34609* 43423* 60641*
69704* 78033* 88833*
88839*
by layering 69811
properties 93556 84186*
pruning 9610 9618
25554* 25557* 60642*
69700* 87568* 88850*
Argentina 51904*
Australia 9581
Bulgaria 87986* 88828*
California 1672
Connecticut 9626
Denmark 34594* 51891*
equipment 13197 47336
74047 9572* 13199*
21597* 56129* 74036*
Idaho 43503
Italy 25571* 34589*
88851*
New Zealand 88832
Norway 43413
Switzerland 69706*
USSR 51886* 51900*
51907* 88826*
purchase and sale programs 39660 48352*
purchasing 93572
quality 22395 39731
48380 48408 84196
California 38624
Germany 93603*
Great Britain 30993
refrigeration 57094
84334 84383 65812*
75220*
regulation and inspection
39703 84289 84295
Europe 48397*
Florida 39706
Germany 32416*
Idaho 75156
Spain 57030*
research 78035
statistical methods 48408
ripening 48430 39653*
84365*
rootstocks 9585 43365
16598* 25560* 51895*
51899* 56129* 60637*
Belgium 25612*
France 43423*
Italy 34601*
Oregon 88910
Sweden 51993*
USSR 69698*
seeds 16997 59381* 60130*
shows 34581 39605*
situation and outlook 14046
30921 75059 75087
30904* 84228*
Bulgaria 22311* 93543*
Europe 56930*
European Economic Community 30908*
48302*
France 22297* 22306*
30924* 43361* 75069*
Germany 65744 22304*
30906* 30925* 41639*
Israel 13428

Item

Fruit--Cont
situation and outlook--cont
Italy 22298* 30914*
40997*
Lithuania 14034*
Netherlands 56929*
93535*
New Hampshire 84159
New Zealand 48318
Sicily 31802*
Spain 30901* 30917*
Texas 30930
USSR 14033* 22310*
75066*
Uruguay 22321
soilless culture 42736*
soils 44143 16598* 18293*
43898*
Australia 26591
Canada 26193 55167
Denmark 70480*
France 18526* 43902*
44087*
Germany 83052*
Hawaii 17311
Hungary 70180*
Japan 87721*
Netherlands 17301*
35413* 51882*
Oregon 35395
Rumania 44088
USSR 2053* 9980*
10204* 15142* 18150*
44474* 51883* 52688*
73297* 86639* 89618*
spraying and dusting 9106
15932 37727 58840
77029 77071 41619*
83170* 88155*
Australia 8342 15924
Austria 67730*
California 38744 67715
Canada 15919 33117
41598
Connecticut 77077
Denmark 86648*
equipment 56229
21661* 47473* 47476*
47477* 56226* 74185*
74191* 81752* 83174*
92916* 92917*
Australia 5806
Germany
East Germany 56235*
Hungary 56216*
USSR 13298*
France 41687*
Germany 86659*
East Germany 38750*
Great Britain 8371
Italy 41590* 77064*
Kentucky 50205 67738
Michigan 50205
Netherlands 92172*
New Zealand 12555
24133
Norway 15925* 41605*
Oregon 41655 41673
Poland 38745*
Switzerland 37743*
67673* 73266*
Tennessee 15894*
USSR 8323* 86623*
92164*
Virginia 15938 86647
Washington 33141
67715
Western States 33094
Wisconsin 15961
statistics 6737 14204
32412 75250 93546*
Canada 13573 22446
Eastern States 39785
Germany 14203* 48488*
Hawaii 57122
Hungary 48494* 65839*
Italy 73248*
New Zealand 48318

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Item

Fruit--Cont
statistics--cont
Norway 57119* 57120*
Pacific Northwest 84396
storage 22424 57107 65778 65824 65825 84373 87698 14142* 14199* 84306* 84352*
California 57099
Canada 84366
controlled atmosphere 39775 65832 39734* 75204*
cooperatives 14163*
Denmark 17297*
diseases 84294 84332 84375 14198* 75194* 93659*
gas SEE Fruit, storage, controlled atmosphere
Germany 14174*
East Germany 39771*
humidity 39731
Illinois 84317
Netherlands 93673 84391*
Norway 9577*
reviews 22421
structures 31013* 56313* 84316* 84353* 84392*
temperature 39731 57116 75172
study and teaching 43375*
subsidies 57900
tests 30938 93556 84186*
thinning 13199* 60642*
trade 32365 32409 32412 40983 41033 49590 49641 67096 75059 76561 32400*
Argentina 76555*
Australia 49647
Belgium 94756* 94795*
Brazil 76555*
Canada 67079
Chile 7912
Denmark 58252* 76568*
Europe 49614* 49615*
European Economic Community 67070 30908* 48302* 49602* 58248* 58266* 58267* 67061* 94778*
Finland 7913
France 49581*
Germany 7880 7925 23630* 32416*
Great Britain 30993 40983 49647 57009
Greece 67057
Italy 7914 23604 23634 40996 40997* 76543* 94753* 94769* 94772*
Latin America 7880
Lebanon 23609
Malta 23613
Mediterranean area 94777*
Netherlands 7864
Norway 15389* 49592* 49614* 49615*
Republic of South Africa 32349
Switzerland 7916 67067*
transportation 48381 84274 84332
by rail 6674 65738 84238 84242 84254 84269 84280 84302
by water 14121
equipment 64971*
Europe 22363
statistics 65747
utilization 6349 48345 65521 22097* 75127* 83897* 83908*

Item

Fruit--Cont
varieties 34593 51885 60681 88837 88855* Belgium 51922* Canada 16777 34604 Europe 17299* Florida 34599 69731 France 34638* 43361* 43368* 48343* 51884* Germany 9578* 93603* Great Britain 73086 Indonesia 76894 Iowa 25539 Italy 34590* Japan 69699 New Zealand 48318 Norway 60643* Southern States 43370 Sweden 51895* 51902* 51903* Switzerland 34602* 69706* 75075* Thailand 78029* Tropics 60675* USSR 1675* 1709* 15142* 17304* 17305* 25563* 25572* 43373* 51908* 88840* 88854* Washington 69709
virus diseases 549 8610 8614 16153 33418 43365 69131 87003 87038 87049 87065 87080 24409* 41963* 41999* 42002* 42031* 69177* 87034* 87040*
Australia 8602 42017
Austria 87097*
conferences and congresses 87085 87019*
France 87051* 87052*
Germany East Germany 43366*
Great Britain 68037
Hungary 87086
India 86999
Italy 87005 87018 50475* 68012*
Netherlands 77242
New York 77251
New Zealand 16119
Rumania 87069
Switzerland 67991*
transmission 87005 64032*
waste 11154 28590 56985 2534*
weed control 9865 34962 78185
Belgium 60935* 60962* 78188*
Brazil 89301*
California 17675
Czechoslovakia 89288*
Finland 9890*
France 43714*
Germany 43746* 43747* 70059* 70060* 89322*
Great Britain 34997
Illinois 78209
Indiana 78234
Maine 25946
Rumania 52166*
Sweden 1955*
Tennessee 15894
USSR 89358*
Washington 52330
Wisconsin 52336
weight and measurement 57116
wild 34697* 87192* 88833* 92278*
yields 10208 12702* 22366* 24137* 25566* 41718* 88906*
SEE ALSO Cover crops, orchards; names of fruits; and UNDER Greenhouse culture; Nurseries

Item

Fruit and Vegetable Canning and Quick Freezing Research Association 39746
Fruit crack
tomatoes 16788 68913*
Fruit flies
control 12512 20835 29086 46573 37649*
Australia 81808
Brazil 29096*
Nicaragua 73314*
parasites 4673
SEE ALSO Tephritidae
Fruit nets 60620 67698 77049*
Fruit spot
bananas 8492
Frullania 16329 58743 76996 68385*
Frullania fragilifolia 32884*
Frullaniaceae 76996
Fucaceae 50757 15832*
Fucales 752 42163 60064
Fuchsia 25687*
anatomy and physiology 42627*
culture 17502 25771 43538
varieties 9771 17502 34844
Fuchsin 833 3973 46301 31570*
Fucoidin 16733
Fucus 24908*
Fucus inflatus 34046*
Fucus serratus 68651*
Fucus spiralis 42163
Fucus vesiculosus 33489* 68651*
Fuels 13292* 47497* 56245* 64966* 73996* 74230*
SEE ALSO names of fuels; and UNDER specific subjects
Fuelwood 27092
care and handling 45019*
Finland 19111* 27020* 71371* 71372* 71563* 90382*
India 2873 61815
Indonesia 19223
moisture 35992*
Sweden 19309*
Switzerland 71476*
Tanganyika 26803
transportation 2807 53527*
Fuglseth O 60630*
Fula Settlement Scheme 49352
Fulgoroidea 29539 47010 73761* 73762* 73763*
Fulgurodes 5342*
Fulvic acid 70307* 87610*
Fumagillin 37886*
Fumaria 32802* 89780*
Fumariaceae 86440 88242*
Fumaric acid 16038 40191 34105*
Fumea 47136*
Fumea pyrenaea 64585*
Fumigants and fumigation 55175 15893*
analysis and composition 55551
determination 55526 55527 74433
dosage 29122 81843
effects on plant disease 67700
effects on seeds 992
equipment 4505 4720 37775 55521 64037 64058 73348 73388
fly control 55347*
fruit pest control 12559*
greenhouse pest control 81831
hazards and safeguards 46617*
human pest control 4547 4561

Item

Fumigants and fumigation--Cont
physiological action 4719
poultry pest control 63836*
residual effectiveness 4531 73308*
residues 55546 74433
storage pest control 12608 37767 37773 55541 55546 81855 81858 37788*
tests 12614 37823 55507 12559*
wood pest control 55583
SEE ALSO Soils, sanitation; names of fumigants; and SUBHEAD fumigation UNDER specific subjects
Funaria hygrometrica 34010* 42218*
Fungi 77009 32988*
anatomy and physiology 764 961 1081 24777 33898 34036 35193 42270 50939 50949 51367 59662 65844 60159 68712 68980 77463 86827 87487 1042* 9160* 16743* 41815* 42570* 67845* 68279* 68971* 87139* 87660* 88021*
aquatic 24089 58787 60293 16743* 32976* 58494*
ecology 32976 700*
Great Britain 712
Japan 33563 33564* 42164* 67625* 68191* 68192*
Ohio 32952 58808
Wyoming 240
Asia 260*
biochemistry 9239 9255 9294 51509 60293 69181 88233 88248 1370* 1395* 42956* 42983* 43041* 43042* 69218*
Brazil 33005 33019*
Bulgaria 67603* 86592*
Canada 24077 50140
collecting and preserving 24108 41244 41536 60100 86353 86875
collections 41545 86580
Costa Rica 24085
cultures 1019 9065 9098 12832 16318 16346 16513 16525 21351 24071 33929 33959 34197 41536 41541 51279 58500 60014 86353 86937 8718* 9020* 9160* 12375* 21134* 33285* 42554* 67356* 68911* 86378* 93456*
cytology 68209 68237 76851 16354*
Czechoslovakia 32994 41575* 58772* 58790* 67610* 67643*
Denmark 8286 15858*
dissemination 510 86850 86873 86918*
ecology 664 12734 16244 29235 68105 16241*
Alaska 50568
Austria 82275*
Finland 68123*
Germany 87166 87170
Great Britain 712 59342
Japan 33564* 68191* 68192*
Poland 59343*
USSR 68134* 86842* 87139*

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Item

Fungi--Cont
edible 41561 8290* 41555* 58512*
Czechoslovakia 58782* 86556*
Iowa 67652
Netherlands 50126*
Pakistan 67602
USSR 9861* 65693*
entomogenous 1081 6985 12479 20833 46985 67633 73520 9245* 32998* 64360* 82279* 92522*
entomophagous 47249
enzymes 1340 8438 16888 42949 50296 88217 42979* 60318* 67929* 80752* 84207*
Finland 8286
genetics 50863 50892 50896 50905 87831 33766* 77425*
Germany
East Germany 86557*
Ghana 77016
Hungary 68089*
identification 259 41545 58813 67652 8290* 41555* 86556*
in soils 248 2132 2135 8498 8506 8552 10094 12734 15853 16738 18067 18088 18090 18095 18117 24197 24226 26100 32939 34152 35192 35193 44042 44050 44051 50325 50402 51078 52580 52596 52629 61199 61217 61227 61236 61249 70330 78418 78431 78464 269* 2159* 10082* 10085* 32992* 36337* 41832* 44006* 44018* 44034* 52607* 52614* 61238* 70338* 78424* 89542*
Central America 32966
Costa Rica 24085
Great Britain 639 59251 77177
Hungary 61246*
India 8307 10087 24084 77018
Italy 67626* 67653* 70369*
Nevada 2130
Pacific area 2155
Pacific Northwest 26127
Panama 24085
Poland 44024* 89544*
reviews 61207*
Trinidad 52581
USSR 271* 2143* 26093* 61235* 67844* 70377*
India 247 15851 15865 24084 32938 41527 41576 58766 67632
Italy 33200* 67626*
Japan 32979 41574
Kenya 86865
lyophilization 1066
morphology 50788 50805 60293 8718*
New Mexico 279
nomenclature 32960 67305*
Northeastern States 77008
Norway 8286
Pakistan 67602
Panama 24085
pathogenic
to insects 21089 37474 46465 55192 55455 64489 81764 12375* 37457* 37735* 63999* 64360* 81992*

Item

Fungi--Cont
pests 21204 82275*
physiologic specialization 407 416 417 420 443 489 505— 508 864 901 1848 8481 8487 8512 15977 15983 16004 16097 16455 24232 24242 33169 33207 33211 33272 33311 33348 41729 41792 41810 41834 42382 50282 50358 50405 50410 50412 51905 58918 58942 59004 59061 59076 67829 67833 67922 77098 77099 77126 86578 86789 86951 86960 87391 87829 970* 8454* 8936* 16069* 24222* 24244* 24333* 24359* 33151* 33152* 33262* 33341* 41831* 50304* 50372* 58991* 67811* 77088* 77170* 77193* 86785* 86900*
plant parasites 33281*
Poland 58801*
predaceous 8619 8622 8630 42058 50545 55499 87585 90706*
Rumania 8305* 33002* 33006* 86582*
shows 67610*
Spitsbergen 33007*
surveys 67606*
aerial 6695 32657 58500 67342
Brazil 15644*
India 58553
Israel 86287
Jamaica 8491
Japan 67328*
Kansas 43 278
Pakistan 41529
Venezuela 49952*
Washington 23859
Sweden 8286 58785*
Taiwan 86583
taxonomy 256 16076 41891 58812 32978* 41537*
reviews 58788*
terminology 58809*
USSR 245* 273* 289* 8300* 41537* 41564* 86548* 86569* 86586*
Venezuela 33001 41542
West Virginia 33025
Wisconsin 41548
wood-destroying 1100 2845 2854 2864 27053 35960 35965 36054 37812 38576 44986 51243 62087 62091 71447 73362 86577 90360 90364 444* 2852* 16087* 19177* 19187* 24259* 29163* 35966* 44981* 62086* 64116* 67890* 71449* 79479*
Africa 53561
Denmark 10974*
Estonia 19183*
Germany 71437*
East Germany 62092* 90358*
Norway 53584*
USSR 2844*
SEE ALSO Mildew; Molds; Mycology; Mycorhiza; Yeasts; names of fungi and fungus diseases; and SUBHEAD decay UNDER Wood

Item

Fungi Imperfecti SEE Deuteromycetes
Fungicides 15979 22628 24358 33204 33307 41866 41887 50275 50350 58364 58987 59048 59056 77140 8453* 50258*
adjuvants 58924
Alabama 50257
application 5802 13295 16061 29914 58956 58967 59063 26208* 41871* 58969* 59002* 81881* 86852*
Argentina 50341*
Australia 497
chemistry 8442 86759 504* 41736* 41872* 58972* 59026*
conferences and congresses 33276*
Czechoslovakia 86901*
determination 74433 21780* 48324* 65091*
effects on insect populations 81764
effects on nematodes 24490
effects on plants 485 1239 16557 16581 25160 50988 60306 88164 24784* 24952* 42180* 44265* 59086* 77186* 86946*
effects on seeds 83130 77728*
formulations 41689* 67930*
France 24144*
Germany 8529* 8557* 33082*
Great Britain 33186
hazards and safeguards 63769 94846*
in soils 10475 61146 86787*
India 31015
insect sources 37747
Italy 8384* 33170* 33320* 67741*
Korea 77137*
mixtures 24338* 67799*
Netherlands 86745*
oil 16022 50277 50394 86963 75538*
particle size 33175
Pennsylvania 465 16051
Poland 67779*
regulation and inspection 332 41628
residual effectiveness 86926
residues 41894 46115 55482 74433 13444* 21780* 22325* 27660* 39715* 48324* 50247* 65091* 67930* 67944* 86830* 94846*
Rumania 33158* 41745* 50262*
Sicily 86919*
storage 28803*
systemic 15993 24846 50409 67767
tests 390 391 478 482 6712 8460 8479 8480 16048 24216 31007 33183 33231 33246 33290 33350 41888 67771 67831 67852 77117 86810 456* 16040* 24373* 33268* 41766* 58917*
Florida 428
France 67876 24274* 24290* 24784*
India 24323
Italy 33261* 67785* 67808*

Item

Fungicides--Cont
tests--cont
Japan 77107*
Poland 41747* 41804*
Republic of South Africa 24224
reviews 33234*
USSR 59050* 67861*
United Arab Republic 16045
tolerances 47749 67169
toxicity 41896 73303 39715* 73067*
Yugoslavia 67744*
SEE ALSO Dusts and dusting; Sprays and spraying; names of fungicides; and SUBHEAD fungicidal UNDER Paints and varnishes
Fungicidin SEE Nystatin
Fungivoridae SEE Mycetophilidae
Fungus diseases SEE names of diseases; UNDER Plants and names of plants; and SUBHEAD pathogenic UNDER Fungi
Funtumia africana 42973*
Funtumia latifolia 9316*
Fur Age Weekly Classified Fur Source Directory 6875
Fur-bearing animals
associations 3734 20062* 28086* 54600*
breeding 20131 28070*
breeds 3716*
deficiency diseases 72380*
digestion 20058*
directories 63118
diseases 72377* 91287*
farms and ranches 7633 85516* 85602* 91287*
France 20061*
Norway 63121*
parasites 20611* 36856* 72374*
slaughtering 72383
USSR 11807* 11809*
vices 20063*
SEE ALSO names of animals, anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Fur chewing 3732 54579 54599 20063* 36869*
Furacillin 36867* 37161* 63344*
Furacin 6295 20091 47921
Furadantin SEE Nitrofurantoin
2-Furaldehyde 27141 75506 39127* 45091* 53672*
Furaltadone SEE Furmethonol
Furanocoumarin 34339
Furans 40157
Furazolidone
effects on bacteria 37047 19536*
effects on pigeons 63300*
effects on poultry 11869 91460 54824* 63339*
effects on swine 12192 12224 12226 72960*
effects on turkeys 11969
therapeutic use
bees 12698* 64172*
poultry 46056 11979* 37047* 45988* 54805* 63304* 63344*
rabbits 91613*
swine 12304 81250 55087* 63666*
turkeys 63327
Furcellaria fastigiata 34322 68223*
Furfural SEE 2-Furaldehyde
6-Furfurylaminopurine SEE Kinetin

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Item

Furmethonol 3889 11881 20191 63264
Furniture
materials 2962 6560 11023 19249 53697 10891 90408 11078* 11085* 36111* 62195*
Furocoumarin 33711* 88122*
Furs
chinchillas 3731 76281 54597*
coypus 72384*
directories 6875 84558
grading and standardization 75438
Great Britain 83581
minks 11808 54580 57250 67075
moles 67671*
pests 46632
processing 57309
rabbits 75438
Fursaev A D 94898*
Fusarium 41762*
alfalfa 24228*
anatomy and physiology 1044 51197
bananas 50263
barley 63614*
beans 41767* 86781*
Betula pendula 24203*
corn 41950
cotton 15981* 24195* 33329* 41817* 58951*
Cucurbitaceae 41869*
Dianthus caryophyllus 67903
flax 469* 70338* 86888*
Gladiolus 33286
grapefruit 8626
in soils 18106 10093* 67921*
Lilium 81829*
lupine 41761* 67793* 86930*
melons 69993*
muskmelons 16066
peas 67912* 86930*
Pinus 50327 86958*
red clover 8431
soybeans 400
tomatoes 33159 41899 52086 33238* 50380*
toxicity 27391* 27727* 28490*
vetch 86930*
watermelons 77152*
wheat 86766 24319* 67765*
Fusarium coeruleum 67859
Fusarium culmorum 2132 41781 52844
Fusarium decemcellulare 504* 9184* 25151*
Fusarium graminearum 12451 67950
Fusarium lateritium 50267 59055 58947*
Fusarium lateritium pini 24247
Fusarium moniliforme 16085 41806 50335 50424 87700 970* 41913* 60171* 67861* 68568*
Fusarium nivale SEE Calonectria graminicola
Fusarium orthoceras 50303 69190
Fusarium oxysporum 2854 8552 9065 16368 25232 50274 34308* 67878*
Fusarium oxysporum albedinis 24276* 77134*
Fusarium oxysporum betae 77083
Fusarium oxysporum cepae 86823
Fusarium oxysporum conglutinans 50427 77108*

Item

Fusarium oxysporum cubense 378 37747 50294 67872 86758 86806 86936 77135*
Fusarium oxysporum fabae 15992*
Fusarium oxysporum gladioli 24290* 59002* 59075*
Fusarium oxysporum lycopersici 33255 41929 50295 50296 50381 59009 59061 59093 77118 58979* 77120*
Fusarium oxysporum melonis 50423
Fusarium oxysporum niveum 59046 77111 77153 33263*
Fusarium oxysporum perniciosum 33163
Fusarium oxysporum phaseoli 8553
Fusarium oxysporum psidii 398 78045
Fusarium oxysporum vasinfectum 33282 33283 41860 77092 59204*
Fusarium pestalozia 33289*
Fusarium redolens 24585* 77110*
Fusarium roseum 59029 67832
Fusarium sambucinum 15969
Fusarium scirpi 58947*
Fusarium solani 295* 383* 1379* 8419* 8552* 16005* 24364* 50301*
Fusarium solani phaseoli 8543 24282 33256 50283
Fusarium solani pisi 24268
Fusarium sporotrichioides 4234* 11741*
Fusarium vasinfectum 16083 24329 87937 16078* 24287* 24337* 50396* 67844* 68749* 88479*
Fusaroskyrin 400
Fusciphantes n g 82180
Fuscoboletinus n g 67631
Fusel oil 6110 48771 75611 30401* 84797*
Fusicladium amygdali 59038*
Fusicladium dendriticum SEE Venturia inaequalis
Fusicladium effusum SEE Cladosporium effusum
Fusicladium eriobotryae 33292*
Fusicladium pirinum 86893*
Future Famers of America 7814 14319 40898 67684 66982 94706 94709
Futures trading 38971 47700 47717 48837 56410 65116
SEE ALSO SUBHEAD futures UNDER specific subjects
FW-450 1230 34041 59729 42807*
Fyles F 67213

GC 1283 SEE Mirex
GC 3582 12390 12435
GC 3583 12435
GC 4072 12390 12391 12403 12419 12424 12435 46379
Gabrius 38147* 92408*
Gabrius heres 92408*
Gagea lutea 87267 16379*
Gageus n g 21313*
Gal Oya Development Board (Ceylon) 49144

Item

GAL virus SEE Gallus adeno-like virus
Galactite 13166*
Galactolipids 1309
Galactomannans 7228 23347
Galactose 9163 16888 74429 88195
Galactosidases 11230 79748 16898*
Galactosides 9236* 51465* 51466*
Galactosylglycerol 16969
Galacturonic acid 7046 16846 16934 16941 50459
Galanthus 43501*
Galanthus nivalis 41302* 50101*
Galeandra devoniana 181
Galeandra harveyana 181
Galeev G S 94913*
Galega officinalis 77815 27683*
Galendromimus n g 4941
Galendromus n g 4941 55663
Galeodes araba 12761 29290
Galeopsis angustifolia 67515
Galeopsis ladanum 67515
Galepsus 38546
Galerucella luteola 55559 64109*
Galerucinae 92398 38110*
Galinsoga 67404 58627* 86455*
Galinsoga ciliata 23971* 86434*
Galinsoga parviflora 35058 23971* 86434*
Galium 32758
Galium aparine 35014
Galium boreale 24632
Galium multiflorum 33620
Gall bladder 11625 11980 28474 12255* 36777* 72195*
Gall insects 73389 29258*
anatomy and physiology 82373 29258* 92458*
Belgium 82093*
bibliographies 92450
Canada 64482 73834
food and host plants 92082 12900* 29258* 29268* 82585*
Germany
East Germany 4870*
Great Britain 73684 92423
habits and behavior 55867* 82101*
Hungary 21162*
Illinois 29278
India 21031*
Israel 55518
Japan 55870* 55908* 92526*
Nebraska 82680
Netherlands 5160*
parasites 5274 82373
reviews 21029*
Sweden 64269*
taxonomy 21031*
USSR 64442*
Gall midges SEE Cecidomyiidae
Gallamine triethiodide 62777
Gallates 13752*
Gallatin National Forest 44906
Gallein 78363
Galleria mellonella
anatomy and physiology 29745 37842 64202 73857 64651*
control 81996*
cytology 4411 29715 29716
diseases 12862 46701 47184 73852 82715*
larvae 5553 13007 29715 29746 64651*
nutrition 5553 13007
rearing and breeding 64586 64606 73857

Item

Gallic acid 51492 90968*
Galloisiana yezoensis 13049
Gallotannins SEE Tannins
Gallus adeno-like virus 63298
Galumna virginiensis 4965
Galumnoidea n superfam 29283
Gamasides 55675* 63829* 64279* 64297* 81611* 82179*
Gamasoidea 4919* 55657* 73544* 73545* 82161*
Gamasolaelaps 55657*
Gambia Oilseeds Marketing Board 14460
Gambrus 38417
Game fowl 63357 55222*
SEE ALSO types of game fowl
Game meat 23645 49654 58325 84554
Game theory 30208 85557
Gametocides 24744
Gamma rays
effects on animals 54526 91697 46081*
effects on bacteria 22096 89533*
effects on cacao 8833*
effects on cattle 11558
effects on cellulose 65656*
effects on collagen 48612
effects on containers 83538
effects on eggs 75652*
effects on fats and oils 84827
effects on fibers 48167 30809*
effects on food 83538
effects on fruit 50996 57099 42543* 59843* 93640*
effects on grain 927 936 8709 59715 42371* 42590* 42891* 63438*
effects on honey 55604
effects on Impatiens balsamina 68419
effects on insects 38158 46323 55392 55604 64583 82769 82770 12867* 12906* 37939* 64361* 64669*
effects on Melandrium 33611 59704
effects on Nicotiana 42260
effects on onions 22434
effects on plants 16832 42622 42790 76816 16823* 25139* 51285* 59363* 60042* 77634*
effects on potatoes 84362
effects on protozoa 12914
effects on red clover 42876
effects on seeds 9192 42293 42876 42894 42590* 42753* 59544* 68959* 87617*
effects on starches 65863*
effects on sugars 85023
effects on tobacco 758
effects on wood 71611
effects on yeasts 68758*
in agriculture 76680*
in apicultural research 55604
in flour processing 57166 31104*
in food processing 13565 30282 47799 47802 75205* 75206* 76680*
in fruit processing 48434 75224 93633* 93635* 93652*
in lignin processing 62219*
in meat analysis 6901 14349

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Item

Gamma rays--Cont
in meat processing 39998 7012* 75469* 75470*
in particle board manufacture 79582*
in pest control 46323
in rubber processing 66186*
in soil research 35101 35107 52447 52621 17994* 61068* 70212* 78315*
in spice processing 83691
in starch research 5947*
in sugar industry 66239
in vegetable processing 75181* 93648* 93652*
in wood technology 62082 27149*
Gammaridacarus n g 82124
Gammaridacarus brevisternalis 82124
Gammel Kroppa Skogsskola 26698*
Gammexane SEE BHC
Gampsocleis buergeri 5582 29774
Gampsocoris lilianae 47013*
Gampsocoris seidenstueckeri 38351*
Ganaspis 12951*
Gangrene 62449* 80251*
Ganoderma 23864 86587*
Ganoderma lucidum 1128*
Gapeworms 80837 91512 11937*
Garbage
and insects 4591
feed 4248 27274* 72971*
fertilizers 18617 26653 79044 10509*
Garcinia 9250 23958
Garden pools 34815 78126
Garden structures 5883
Gardena 38358
Gardenia 9780 25773
Gardens and gardening 41309 89025 89108 1668*
as therapy 60784
bibliographies 9555
District of Columbia 25546
encyclopedias 1669
equipment 47317 13315* 82932* 83170* 83292*
directories 5673
Germany 1667* 40608* 43359* 69693*
handbooks 9558* 34741*
history 9555 76746*
Hungary 67675*
labor 14762* 23085* 49109*
Maryland 25546
mechanization 38638*
miniature 43579 89022 34737*
Norway 9565* 25537*
school and community 25548 52078 1784*
supplies 86144
Virginia 25546
Western States 88822
SEE ALSO Botanic gardens; Flowers; Fruit; Greenhouses; House plants; Landscape gardening; Ornamental plants; Rock gardens; Truck farms
Gargara genistae 47021*
Garlic
analysis and composition 14054
anatomy and physiology 1146 69032 69033 42542* 68891*
biochemistry 69269*
culture 89153
cytology 33586*
India 18344 52097
properties 84220*
seeds 1877

Item

Garlic--Cont
storage 12605 22439 14175* 68891*
therapeutic use 11322* 81946*
varieties 89153
Venezuela 75810*
Gas heat 74329
Gas liquor 70657
Gas storage SEE SUBHEADS storage, controlled atmosphere and storage, gas UNDER specific subjects
Gaschen H L 23771*
Gases
effects on fibers 39567
effects on seeds 1212 42788
effects on wood 79482*
in food 30139
in plants 42468 60018
in soils 35159 52578 89516 26092* 78274*
respiratory 3588 36246
Gashouse tankage 2508
Gasoline 83181 29994*
Gasteria verrucosa 60318*
Gasteromycetes 24077 67594 41558*
Gasterophilidae 28828
Gasterophilus 20629 28122 37560* 63157*
Gasterophilus pecorum 12408*
Gasteruption 82630*
Gastric juice 54913 45756* 55096*
Gastrimargus nigericus 82818*
Gastrin 36537
Gastroenteritis
cattle 3526 62842* 62872* 72153*
dogs 72325
swine 28694 63198 4269* 12277* 37386* 73033* 81286*
Gastroidea polygoni 82287*
Gastroidea viridula 82287*
Gastrointestinal fistula 62380*
Gastropacha populifolia 47177*
Gastropacha quercifolia 81737*
Gastrophilus SEE Gasterophilus
Gastrothylax crumenifer 27409
Gates 21740
GATT SEE General Agreement on Tariffs and Trade
Gattine 82068*
Gaultheria 32852
Gaultheria procumbens 23993
Gaultheria shallon 16259
Gaura 43473*
Gaylussacia brachycera 67405
Gbelcia n g 38368*
Geastrum 24081
Gebisch R 32548*
Gedunin 2982
Geese 54844*
anatomy and physiology 54774 37057*
Australia 4003
breeding 45872* 72470* 91369*
reviews 91355*
breeds 3817 3828* 91369*
Canada 12034
care 28348*
diseases 28348*
egg production 63346*
farms and ranches 4009* 94415*
feathering 80817*
feeding and nutrition 28231* 29890* 63251* 72549* 80817*
genetics 3817
growth 72549*
habits and behavior 91577
hatching 63372*
history 54834*

Item

Geese--Cont
housing 92975
parasites 28298 46048*
pests 28298
plucking 28388* 80817*
Spain 93954*
statistics 93943
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Gegenes nostrodamus 21373*
Geholaspis 46776*
Geigy 33 SEE DDT
Geisenheim Lehr- und Forschungsanstalt für Wein-, Obst- und Gartenbau 1664*
Gelasinospora 297*
Gelasinospora calospora 750
Gelastocoridae 5263 38294
Gelastocoris 5263
Gelatin 22499 60294 39912*
analysis and composition 75407*
reviews 57249
chemistry 57238 57239 93818
in wine manufacture 74581*
waste 11203*
Gelechia malvella SEE Pectinophora malvella
Gelechia terrestrella 82781*
Gelechiidae
anatomy and physiology 28964
control 37663*
Europe 82732*
food and host plants 5537
Great Britain 5538
Japan 29704
nomenclature 5514 21424*
parasites 73834
taxonomy 21423* 82781*
Gelechioidea 5437 47152 82721
Gelidiaceae 32913 59332
Gelidium 15831
Gelidium amansii 51429*
Gelidium melanoideum 32914
Gelidium torulosum 32914
Gelinae 38417
Gels 6853 13547 17884 17971 65716* 84190*
Gembloux Institut Agronomique de l'Etat 23834* 40805*
General Agreement on Tariffs and Trade 76580 32388*
Genes
animals 3019 3820 19637 53750*
insects 5111 21000 21221 21225 29429 29451 38162 46946 55792 55806 81386 81395 82422 92431 92448 92475 4884* 12737* 12859* 29422* 37944* 37946* 38166* 53750* 55774* 64225* 64446* 82737*
plants 872 874 880 8815 8844 16415 16428 24705 24713 24720 33791 33799 35830 42383 50839 87445 16434* 16489* 33759* 42363* 42414* 42420* 87415*
Genetics 32500 82371 82434 94843 49765*
conferences and congresses 7977 46763*
dictionaries 23722
history 86235*
statistical methods 55951 82376 94834 32505*

Item

Genetics--Cont
reviews 94831
SEE ALSO Chromosomes; Cytology; Genes; Heterosis; and UNDER Insects; Livestock; Plants; and names of animals, insects, and plants
Geniatini 64356*
Geniostoma 32856
Genista 9750 22228 23918*
Genista horrida 58616*
Genista radiata 23997*
Genista sagittalis 32831*
Genisteae 69229
Genistein 11856
Genite 37440
Genootschap voor Landbouwwetenschap 49530*
Genossenschaftliches Jahrbuch 94734*
Gentiana 41456 58648
Gentiana bavarica 41432*
Gentiana cachemirica 41456
Gentiana lutea 41466 70158*
Gentiana pannonica 24533*
Gentianaceae 58648
Gentisic acid 30304
Geobotany SEE Plants, geography
Geocoris 82538
Geodromicus 5032*
Geogarypus 92317*
Geography 23203 89443*
Alabama 14926
Australia 7613
Belgium 49443*
bibliographies 40497* 49119*
Bulgaria 31937*
China 66591*
Colombia 66796*
Congo 7464*
Europe 2195*
France 58054* 94287* 94292*
Germany 49188* 57817*
Ghana 40261*
Mexico 23142
Oklahoma 40447
Pacific Northwest 85421
Panama 57815
reviews 94292*
terminology 94270
USSR 18221 57644* 61266* 85360*
SEE ALSO Regions; and SUBHEAD production regions UNDER specific subjects
Geology 8106*
Geolycosa pikei 73564
Geometridae
anatomy and physiology 5395 29724 55977 82702 82774* 92623*
Argentina 29707*
Asia 82664*
Austria 13042*
Brazil 5342*
Canada 47151 64610
China 37757*
Denmark 29747*
diseases 73844
food and host plants 38478*
France 64635* 82717*
geographic distribution 47186* 47187*
Germany 92612*
Great Britain 5339 55929
Guernsey 5517
habits and behavior 55977 82702 92623*
Iran 92616*
Jamaica 5507
Nepal 38490*
Netherlands 5335* 55944*
New York 92221
North America 21420

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Item

Geometridae--Cont
Palearctic Region 12984*
parasites 21407 92433 47093* 92623*
populations 5552
pupae 55977
rearing and breeding 5477 5486
Saudi Arabia 92616*
Sweden 92588*
taxonomy 47189 47185* 47186* 47187*
Uganda 81869
USSR 82788*
Geometroidea 5430 5431
Geomyza 5167
Geopemphigus surinamensis 21290
Geophila 23936*
Geophilomorpha 29309 82131
Geophilus 29293
Geophilus carpophagus 92334
Geophilus pusillifrater 29309
Geopselaphus 82218*
George H 66441
Georgia Agricultural Experiment Stations
report 49878
Georgia Forest Research Council 26669
Geoscydmaenus SEE Scydmaenus (Geoscydmaenus)
Geotrichum candidum 41890
Geotropism
insects 21182
plants 9141 24949 42496 42635 51161 59989 8902* 24928* 33860* 33946*
Geotrupes 55743*
Geotrupes silvaticus 55724*
Geotrupidae 55717
Geraniaceae 1249
Geraniella SEE Sphaenelater
Geraniol 73413 75121 84794*
Geranium 50365 52030*
SEE ALSO Pelargonium
Geranium microphyllum 183
Geranium nepalense 51541*
Geranium oil 22711
Geranium rectum 25963*
Geranyl-geraniol 88127*
Geranyl-linaloöl 88127*
Gerardia 86506
Gerber test 13723* 13746* 22018* 74716*
Gerbera 14759*
Geriatrics 28000 28022 45762 54296 79798 80531*
Gerlack J B 49820*
Gerlings J H J 49809*
Germ-free animals SEE SUBHEAD germ-free UNDER Insects; Laboratory animals; Livestock; Poultry; Swine
Germanium 68947*
Germany (Federal Republic) Biologische Bundesanstalt für Land- und Forstwirtschaft 33051*
Germany (Federal Republic) Bundesausschuss für Volkswirtschaftliche Aufklärung 38913*
Germany (Federal Republic) Bundesforschungsanstalt für Lebensmittelfrischhaltung Karlsruhe 47789
Germany (Federal Republic) Bundesministerium für Ernährung Landwirtschaft und Forsten 14925* 15517* 58837*
Germany (Federal Republic) Reichsnährstand 94668*
Germicides SEE Bactericides
Germisan 69006*

Item

Gerridae
Alaska 12926
anatomy and physiology 5264
Australia 29534
Fiji 38304
Japan 82525
Missouri 38294
populations 47027
taxonomy 5228 82525
Gerris nearcticus 12926
Gerris remigis 29521
Gerris rufoscutellatus 38343
Gerronema 41542
Gervaisicus n n 38014
Gesaprim 9893* 70054*
Gesellschaft für Forstliche Arbeitswissenschaft 70946*
Gesneriaceae 90 50729 67422 67423
Gesonula punctifrons 38548
Gestation SEE SUBHEAD pregnancy UNDER Livestock and names of animals
Geum urbanum 87342*
Geum vernum 32727
Ghana Central Bur of Statistics 58473
Ghana Cocoa Marketing Board 74597
Ghana Farmers' Council 32241
Ghana Ministry of Food and Agriculture
publications 17865
Ghee 74726 83853 93420
SEE ALSO Butter oil
Ghost spot
tomatoes 59090
Giant ragweed SEE Ambrosia trifida
Giardia 36783 72437
Giardiasis 72437 72442*
Gibberella fujikuroi 25214 42968 43030 16978* 87945*
Gibberella moniliformis 50271 50368
Gibberella zeae 41797 50424 50859 67893*
Gibberellic acid
effects on alfalfa 25048 60057*
effects on Anagallis arvensis 8900*
effects on Atropa belladonna 34154
effects on Aztec tobacco 16544
effects on barley 9094 14266 57176 87793
effects on beans 9812 24995* 59937*
effects on Begonia 9174* 88008*
effects on Beta 16807* 77613*
effects on cabbage 16522*
effects on chickpeas 87696*
effects on Chlorella pyrenoidosa 68945*
effects on citrus 25068
effect on Convolvulus sepium 25152*
effects on corn 33791 42600 24849*
effects on cotton 68744
effects on Cryptotaenia japonica 68775*
effects on currants 87378
effects on Dunaliella salina 68866*
effects on Eucalyptus 61946
effects on field crops 77603*
effects on forage plants 50928
effects on Fraxinus 77737*
effects on garlic 1146
effects on grapes 77466*
effects on guavas 77670

Item

Gibberellic acid--Cont
effects on hops 68979
effects on Lathyrus odoratus 16546* 25194*
effects on Lemna trisulca 50695*
effects on lettuce 16522*
effects on lupine 9132
effects on oats 42891
effects on onions 9090
effects on oranges 8998
effects on peaches 59817 87560*
effects on pearlmillet 16701 87933
effects on peas 844 24949
effects on Phalaris tuberosa 77477
effects on Picea 61900
effects on Pinus sylvestris 61900
effects on plant disease 8486 50345
effects on plants 1012 10715 16707 16728 16843 33878 50966 51095 51378 59955 59989 77658 88064 8907* 24888* 51177* 59367* 69040* 87592*
effects on potatoes 8891 34286*
effects on poultry 20201
effects on rice 16522* 24870*
effects on Salix caprea 60058*
effects on seeds 1263 9097 9105 9119 16595 42892* 69090*
effects on Senecio vulgaris 720 16509
effects on Sorbus 77737*
effects on Stellaria media 88005*
effects on strawberries 34119
effects on subterranean clover 77477
effects on sugarcane 33985
effects on sunflowers 1070* 42807*
effects on sweetpotatoes 8867
effects on Tilia americana 50929
effects on tobacco 1389 33863 33934 34231 68380
effects on tomatoes 33394 50380*
effects on trees 79322 34244* 35723*
effects on Ulmus 61900 77737*
effects on vetch 16538
effects on wheat 1092 25047 25123 59991*
effects on white clover 51038
in bacteria 2164
in malting 39806
in plants 8885 25252 34305 43001 1310*
Gibberellins 9196 24826*
effects on alfalfa 25109* 61331*
effects on Aster savatieri 77570*
effects on barley 69152 16704*
effects on beans 1190* 87872*
effects on carrots 8903 59825*
effects on Ceanothus 942
effects on celery 59825* 77566*

Item

Gibberellins--Cont
effects on Chamaecyparis obtusa 53412*
effects on citrus 68896
effects on clover 77647*
effects on corn 1126* 33853* 63963* 87637*
effects on Cryptomeria japonica 53412*
effects on cucumbers 42620
effects on currants 77500*
effects on Fraxinus ornus 8908
effects on grapes 69135 16667* 34111* 77700* 77747* 87565*
effects on guavas 8791
effects on hemp 8862 34234*
effects on Leguminosae 87564*
effects on mites 12786
effects on Myosotis alpestris 87809
effects on Nitella 87972*
effects on oats 1190*
effects on ornamentals 59904*
effects on peaches 33605 87250
effects on Pinus 71178 53412*
effects on plant disease 77215 88060 33452*
effects on plants 1108 8906 16682 16728 33993 34176 42506 50971 51093 59958 68577 69142 87881 88029 24818* 34077* 42911* 51147* 60066* 68656* 77679* 87756* 87783* 88026*
reviews 68781*
effects on potatoes 24963*
effects on red clover 77719
effects on rice 51109 51110 51111
effects on seeds 1274 24885 77514 16550* 34129* 42746*
effects on sorghum 9107
effects on strawberries 88092*
effects on strawberry clover 42486
effects on sugar beets 1126* 68611*
effects on sunflowers 8989 9045*
effects on sunn Crotalaria 8862
effects on tea 37732 50918* 68537*
effects on Tilia cordata 87300
effects on tobacco 68602* 87566* 88095*
effects on tomatoes 16526 51370*
effects on trees 2726* 10784* 18961* 68872* 71200*
effects on Vitis rupestris 8855*
effects on wheat 59934* 61331* 87665*
effects on Xanthium 33748*
in malting 84440 39873* 57160*
in plants 9288 9294 16836 25214 42910 42968 43030 50992 51043 68607 87700 9084* 16978* 33954* 34052* 68596* 87945*
in soils 61209*
in swine nutrition 20463*
reviews 60127*

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Item

Gibbium psylloides 12818*
Gibrel 1229
Gid SEE Staggers
Gigantochloa levis 18916
Gigantolaelaps 29297* 81245*
Gilbertella persicaria 457
Gilia 729
Gilia aggregata 186
Gillet C C 32527*
Gilpinia abieticola 12980*
Gilpinia hercyniae SEE Diprion hercyniae
Gilpinia polytoma SEE Diprion polytoma
Ginger 6152 30387 76550
Ginkgo 42575* 44739* 71197*
Ginkgo biloba
  anatomy and physiology 51572 34178* 42836*
  culture 78111
  disease resistance 50149
  injuries 71307
  pest resistance 55572
  pollen 32650*
  propagation 9782
Ginkgoales 15790
Giornate Fitopatologiche 77046*
Giraultella taylori 12949
Gisekia pharnacioides 112
Glabrocyphella n g 15859
Gladiolus 34742
  anatomy and physiology 33286 50186 59846* 60829* 68793*–68795* 69069* 77652* 86943*
  associations 34723 34804 60801
  breeding 34736 60773 52048*
  culture 34757 34777 34780 34828 34859 60779 9775*
    Australia 69820
    Canada 34856 78133
    Florida 9730
    Great Britain 25721
    Maine 60775
    USSR 60829*
  diseases 58829 58909
  fertilizers 61376 68794*
  fungus diseases 33286 41879 67837 86809 33284* 59002* 59075* 86943*
  harvesting 13254*
  injuries 50186 52237
  judging 34743
  morphology 59846*
  nematodes 59216
  planting 89027*
  propagation 89038*
  seeds 34777 34859
  soils 58909
  varieties 34719 34748 34778 34829 60778 69887 17463*
    Canada 34720 34721 34799
    Middle Western States 34850
    Rumania 52048*
  virus diseases 67994
  weed control 17650 52237 58909 60948
Gladiolus imbricatus 42251*
Glaenocorisa 47011
Glanders 54629* 80626*
Glands
  animals 71804 54942*
  arachnids 4916 21051
  arthropods 46791* 55700* 55701*
  insects 21169 29579 29773 38074 38320 92567 5026* 29548* 38092* 47239* 55920* 73484* 73888* 81932* 81972*
  SEE ALSO names of glands
Glaresini 46869*
Glaresis 46869*
Glass fibers 82933*
Glasser's disease 63640
Glaucoma 54536 72323 91212
Glaurocara 82368
Glechoma SEE Glecoma
Glecoma hederacea 727
Gleditschia SEE Gleditsia
Gleditsia 26820* 87830*
Gleditsia amorphoides 31049*
Gleditsia inermis SEE Gleditsia triacanthos
Gleditsia triacanthos 20859 82716 8766* 87244*
Gleichenia 35082
Gleichenia dichotoma 189*
Gleicheniaceae 32875
Glenamoy (Ireland) Peatland Experimental Station 2398
Glenea 46816* 82225* 92347* 92379*
Glenida 82225*
Gley soils 52735 2149* 78443* 89548*
  bibliographies 44076
  Germany 53279*
    East Germany 18205*
  Poland 70437*
  USSR 2150 10124*
Gliadins 93712 14308*
Glioblastoma SEE Spongioblastoma
Gliocephalotrichum n g 58774
Gliricidia 17860
Gliricidia maculata SEE Gliricidia sepium
Gliricidia sepium 1665 77784 70134*
Glischrochilus quadrisignatus 5016
Globidium 4115
Globulins 45766 47950 62342 62379 14308* 30501* 54009* 63616* 88249*
  cattle 45551
  swine 37395 81296 37347*
beta-Globulins 27507 79998* 90868*
gamma-Globulins 36863 27378* 27413* 36218* 53893* 80695* 79781* 80352* 81335*
  cattle 36668 45678* 54298*
  laboratory animals 45863*
  swine 46263
Globulol 66116
Gloeodes pomigena 77156
Gloeodiscus n g 32958
Gloeosporium 397 41842 58780* 77146*
Gloeosporium album 33249 86921*
Gloeosporium fructigenum SEE Glomerella cingulata
Gloeosporium kaki 67929*
Gloeosporium malicorticis SEE Neofabraea malicorticis
Gloeosporium musarum 31036 15974*
Gloeosporium olivarum 67816
Gloeosporium perennans 86921*
Gloeosporium ribis 8434 24344
Gloeothece heufleri 233*
Glomerella cingulata 1568 33279 58973* 77137*
  anatomy and physiology 25145
  apples 16094 41846
  coffee 41843* 77150*
  grain 50291
Glomerella tucumanensis 24355 59058–59060
Glomeridesmus 4936
Glomopsis 41550
Glomospora n g 41550
Glossina
  Africa 82403*
  anatomy and physiology 29418 38184 55789
  and disease 20645 80291 81579 92031 20657* 28915*
    Africa 73148 81606 28883*
    British Cameroons 4510
    East Africa 20632 92028
    Nigeria 4510 81485
    Portuguese Guinea 66945*
    reviews 55367 73182
    Rwanda-Burundi 81456*
    West Africa 27466
  breeding places 5091
  control 20660*
    Africa 4566
    Cameroun 20663*
    Chad 20663*
    Liberia 37571
    Nigeria 28871 81528 81529
    policies and programs 28901
    Rhodesia and Nyasaland 3168 20637 81556
    Uganda 92044
    West Africa 4586
  ecology 4510 81456*
  geographic distribution 20657* 28883*
  Ghana 81588
  habits and behavior 38184 81456*
  hosts 37550 37571 82390
  Liberia 20662
  nutrition 4567 29418 37550 37571 82390
  parasites 4510
  populations 38185 73670
  Tanganyika 73670 82390
  taxonomy 55793
  Uganda 4555 4567 38184
Glossina caliginea 82403*
Glossina morsitans 81579 92028 81456*
  control 4467 4494 37521
  insecticide resistance 12322
  parasites 4491
Glossina morsitans group 12394
Glossina morsitans morsitans 5091
Glossina morsitans submorsitans 20645 80291
Glossina nashi 55793
Glossina newsteadi 82403*
Glossina pallicera 82403*
Glossina pallidipes 4555 4567 37550 38184 38185
Glossina palpalis 4534 28871 37571 81485 92028
Glossina palpalis group 82403*
Glossina swynnertoni 73670 82390
Glossina tachinoides 28871 20663*
Glossosomatidae 73898
Gloxinia SEE Sinningia
Glucanase 88217
Glucides
  in feed 71781*
  in insect nutrition 29344*
  in plants 9226* 16913* 43010* 51544* 60119* 60347* 77780* 77821*
Glucobenzsisaustricin 51512
Glucobrassicin 69188*
Glucocapparin 77792
Glucocorticoids 54532*
Glucofructan 16956*
Glucofructosans 69272*
Glucomannans 19314 19326 36127
Glucosamine 6900* 82234*
Glucosamine hydrochloride 29465
Glucose
  chemistry 22639 27146 66235 75733* 85065* 90455*
  determination 85064
  effects on plants 24975 60081 68844 87836*
  hydrogen-ion concentration 85062*
  in animal physiology 71629
  in blood 27720 80792 3424* 19588* 36688* 45298* 63144* 63168* 72830* 91039* 91533*
  in cattle physiology 27853 45591 62747 3575* 12209* 36606* 80419* 90975*
  in dog physiology 45772
  in food processing 22641 39397 75210 75221
  in honey 93761*
  in horse physiology 20093*
  in insect nutrition 82020*
  in insect physiology 5211 37917*
  in milk 74750* 83750*
  in plants 971 16894 42889 42941 42945 51223 51224 51525 60023 60138 68839 69217 77568 88182 60308* 69235* 77597*
  in poultry nutrition 72629
  in pulp and paper 36055
  in rabbit physiology 37160
  in rumen 62494*
  in sheep physiology 4133 12134 28463
  in soils 61218 26092*
  in swine physiology 12209* 37367*
  manufacture 84492 7256* 22848* 39058*
  oxidation reduction potential 22863*
  processing 14612 40160* 40180* 85062*
  utilization 40191 57514* 83910*
D-Glucose 1361 43044 45924
Glucose cyclo-acetoacetate 69172
Glucose oxidase 13561 83566*
Glucose-6-phosphate dehydrogenase 41944
beta-Glucosidase 51508 27185*
Glucosidases 42938 56488*
Glucosides SEE Glycosides
Glues SEE Adhesives
Glulam 10956 11005 11016 36006 90394 53734* 71492*
Glume blotch
  wheat 395
Glutamic acid 3841 34190 43013 48739 7241* 31562* 75112* 88165* 88246*
L-Glutamic acid 68615 88149*
Glutamic acid decarboxylase 1311 77809
Glutamic dehydrogenases 1333 43013 68622 77818 88165
Glutamic-oxalacetic transaminase 54769* 63160*
Glutamic pyruvic transaminase 80576*
Glutamine 60281 25196*
Glutaminic acid SEE Glutamic acid
gamma-L-Glutamyl-beta-alanine 77803

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Item

gamma-Glutamyl compounds 84823
gamma-Glutamyl-S-(1-propenyl) sulfoxide 9318
Glutamyl transferase 1377 16950
Glutathione 42783 57299 69054
in blood 62911*
in insect physiology 12841
in plants 8521 60011 16881*
Gluten
analysis and composition 6792 75361 75324*
determination 31118*
in corn 52089 80016*
in flour 93704 14261* 14262* 31118* 75268*
in grain 6853
in wheat 6792 34375 49735 75361 65844 57178* 65915* 75273* 75309* 84449* 84450* 84502* 93753*
properties 84502*
proteins 65915* 75268*
Glutenin 75361
Glycemia 36907* 62865*
Glyceria 87183*
Glycerides
analysis and composition 84793 84800 31349*
in dairy products 22025
in fats and oils 22693
in food industry 56459
in poultry physiology 11977
Glycerine SEE Glycerol
Glycerol
chemistry 22019
determination 83349
effects on microorganisms 63067
effects on semen 3268 79994 11442* 11814* 27218* 27518* 27573* 71924* 71958* 71959*
in fats and oils 7032* 75512* 84851*
in feed 72501
in fruit juices 65318*
in insect physiology 21440
in soils 44047
in wine 65318* 65328*
manufacture 31415*
Glycine
culture medium 65407
effects on plants 24646 77816
effects on semen 3841 11454
in insect physiology 37932* 64210*
in plants 87542 68766*
in poultry nutrition 11923
in poultry physiology 20265 20266 28294
Glycine (plant) 560 42963
Glycine hispida SEE Soybeans
Glycine javanica 45483
Glycine max SEE Soybeans
Glycoalkaloids SEE Alkaloids
Glycobius speciosus 46664
Glycocoll SEE Glycine
Glycogen
in cattle physiology 27854 54343*
in insect physiology 82018* 82816*
in meat 3341* 14419*
in poultry physiology 28344 91449 91533*
in rabbit physiology 63378
in sheep physiology 63438
Glycogenolysis SEE Glycogen
Glycolic acid 88166 64210* 77596* 77813*
Glycols 62438*
Glycolysis 68839 27768*

Item

Glycoproteins 72091 36549* 63085* 63086*
Glycopyranosyl phosphates 51475
Glycosidases 3500
Glycosides
in fats and oils 22672
in plants 1324 8906 9188 9235 9308 34281 34305 34306 42845 42948 51512 69205 78245 9291* 16949* 25197* 34250* 42960* 51471* 59870* 62915* 69222* 77832* 77833* 87388* 88112* 88124* 88162* 88175*
in starches 21783*
in vegetables 93571
C-Glycosides 51499
Glycosmis 23945
Glycosmis arborea 60346
Glycyphagidae 55707*
Glycyphaginae 37778*
Glycyphagus 55707*
Glycyrrhiza glabra 41429* 70115*
Glyodin 64000
Glyoxylate 1340 43036*
Glyoxylic acid 29228* 51520* 60331*
Glyphodes SEE Margaronia
Glyptolaspis n n 4917*
Glyptolaspis pontina 4917*
Glyptotendipes 73681*
Glyptotendipes paripes 81555
Glyptotermes 82884
Gmelina arborea 8234
Gnaphosidae 82143
Gnaptodon 47077*
Gnathocerus cornutus 21104
Gnathomorpha 47130*
Gnathonarium 82180
Gnathoncus 82271
Gnathoniella egregia 38409
Gnetum 780
Gnomeskelus 38041
Gnomonia 58787
Gnomonia erythrostoma 33157*
Gnomonia leptostyla 15975 86947*
Gnomonia platani SEE Gnomonia veneta
Gnomonia veneta 33334* 86752*
Gnophos 38490*
Gnophothrips piniphilus 64091
Gnorimoschema 64596
Gnorimoschema gallaeastrella 73834
Gnorimoschema ocellatella SEE Scrobipalpa ocellatella
Gnorimoschema operculella 29036
Goals in rural life 57883 76503 85144 85157 85164 85380 85386 85410 85438 85808 85944 85948 85949
Goats
adaptation 46110
age 72840*
anatomy and physiology 4129 63469*
associations 20431
breeding 20321
China 12062*
effects of disease 81110*
Hungary 20333*
India 62577
Philippines 63411
USSR 28421*
breeds 4031*
Alpine 37170*
Angora 20321 20422 28406
Balkan 28529* 63535*
Boer 46110
Granada 28450* 54909*
Saanen 80970*

Item

Goats--Cont
care 63542 72857 37285* 46161*
Ceylon 81136
China 81148
deficiency diseases 28645*
digestion 20412 63517
diseases 81125 91733
estrus 81114*
feeding and nutrition 63443
fertility 46110
fossil 54984*
France 46161* 93773*
Germany 66095*
Great Britain 72891
habits and behavior 19901 63443
herdbooks 63391
history 54984*
India 31323 62577
lactation 4109 37279 91068 91718 54964* 54975* 72848* 72873* 80970* 81020*
metabolism 54903 54925 54948 63436 28500* 72840* 91528*
milk production 81133
Australia 54980
effects of disease 72848*
effects of drugs 46151
effects of feeding 28450* 54909*
Great Britain 28547 63542
Hungary 63541*
New Zealand 25953
pests 46397 81599 12393* 92042*
poisoning 45625*
pregnancy 81052* 81110*
records and testing 81133
respiratory diseases 28515
selection 20323*
situation and outlook 65969 84586*
surgery 4109 20421
temperature 54974 72820
transhumance 20417*
wild 28421*
wool production 54980
SEE ALSO Bucks; Kids; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Goat's milk
analysis and composition 4151 46151 83760 6221* 28483* 39273* 74720*
coagulation 39362*
fat 13751 54975*
hydrogen-ion concentration 28483* 74720*
prices 39349*
Goat's milk cheese 30665
Goephanes 29336* 46817*
Goerita 64736
Goerodes 64731
Goerttler V 41212* 49814* 58438*
Goetsch W 15547*
Gohieria 55707*
Goiter
cattle 3542 11641 19888 11574*
man 11641 61261*
rats 36942
sheep 20411 63412
swine 12244 55081
Goitrogens 9142 91671 62704*
Goldberger J 58396*
Golgi C 49495*
Golgi apparatus 786 55204 63398 9139*

Item

Goliathus 21107*
Gomidesia 58671*
Gomontia 68231
Gomphidae 47252
Gomphidia 21500
Gomphonema 32927*
Gomphus consanguis 56045
Gonadotropins
buffaloes 62710*
effects on asses 80625*
effects on cattle 11705 80387 80390 72211*
effects on ducks 54696*
effects on poultry 72691 91368*
effects on rabbits 80390 91610*
effects on sheep 54959
horses 54643* 91305* 91317*
Gonads
cattle 3234
insects 5072 38497* 64651*
poultry 37108 91537*
swine 37400*
ticks 82147
SEE ALSO Ovaries; Testes
Gonatium 82180
Gonatobotryum fuscum 1237
Gonatopus 55891
Gondwanocrypticus 46855*
Gongles gongylodis 5562
Gongora armeniaca 58713
Gongora galeata 58713
Gongora scaphephorus 34835
Gongronella 58784
Gongronema 32750
Gongylidiellum calcariferum 64282*
Gongylidioides n g 82180
Gongylonema ingluvicola 82190
Gongylonema pulchrum 12108*
Goniagnathus 38289*
Gonimbrasia ellisoni 82740*
Goniothalamus 76974
Goniozus japonicus 29596 47094
Gonium pectorale 59897
Gonocephalum 92372*
Gonodontis bidentata 5455
Gonohymenia hungarica 24090*
Gonomyia 5057 12858 38157 55765
Gonyaulax 87677
Gonycentrum 5221
Goodeniaceae 77365
Goodyera 25755
Goodyera repens 32743*
Goose eggs 7172* 63372* 91565* 91585*
Goose livers 63335*
Goose meat 48831 93969*
Gooseberries
analysis and composition 75117*
anatomy and physiology 42582* 69081*
biochemistry 86778*
culture 1730 51981* 69791*
cytology 41311
disease resistance 86778*
diseases 8472 33294 8526* 33419* 58950* 86778*
for processing 75117*
hardiness 69791*
harvesting 7439*
morphology 59657*
pests 12552 37753* 81816*
propagation 1739*
pruning 69775*
USSR 9664*
varieties 1726* 9660* 43442* 51981* 75117*
weed control 35035 35036
yields 17384* 69791*

*Text of this reference is not in English.

Item

Gophers
control 8396 15909 26924 50170
Gordon R M 8021
Gorki Sel'skokhozyaistvennyi Institut 7776*
Gorno-Altaiskii Obshchestvennyi Nauchno-Issledovatel'skii Institut 86253*
Gorse SEE Ulex
Gorski M 58412* 82216*
Gory-Gorki Zemledel'cheskii Institut 7801*
Gorytes 55891
Gorytes quinquefasciatus levantinus 5317*
Gossyparia spuria 82516*
Gossypium SEE Cotton
Gossypol 1527
chemistry 45223
extraction 37146
in cottonseed 31371 75521 88467 88474 91430 93921 73032*
in feed 4202 4261 7138 63431
in plants 16964
properties 31363 75516
Gosudarstvennyi Institut Grazhdanskogo Vozdushnogo Flota 8408*
Gotlands Läns Hushallnings-sällskap 15491* 15492*
Gourds 87970* 89700*
Gout 46040
Government
administration 40871 66961 79971
aid to agriculture 7459 22293 48911 69289 90736
Brazil 49461*
Germany 15608*
Great Britain 85378 40508*
India 79971
Ireland 7503
Italy 22646*
New Zealand 94174
Sweden 94158*
Switzerland 67729*
aid to forestry 26672 79442
Belgium 49548*
directories 15610 15270 23496*
finance 38979 66390* 85195*
history 7693
India 85875
Italy 76059*
local 7407 7770 15281 32183 66961
Appalachian Mountains 94701
China 7775
directories 58134
France 85861*
Germany 66795*
India 23511 32202 66942
Italy 23145* 23180* 85847*
Kansas 58145
South Dakota 58134
Wisconsin 23456
organization 58074
State 14930 23471 40812 40925 58191
directories 94699
SEE ALSO Families, government aid; Policies and programs; Politics; Subsidies; and names of government agencies
Graciella 46817*
Gracilaria 82675*
Gracilaria syringella 38502*
Gracilariidae 4678* 38482* 92577*

Item

Gracilariopsis 215
Graciliini 82294
Grading and standardization 30239 30246 38972 38979 38982 38999 47746 56432 65176
SEE ALSO SUBHEAD grading UNDER Livestock and names of animals; grading and standardization UNDER other specific subjects
Graellsia isabellae 82776*
Graff E 23779*
Grafting (animal) SEE UNDER Bones; Skin; Tissues, animal
Grafting (plant) SEE SUBHEAD propagation, by grafting and budding UNDER Plants and names of classes of plants
Grahamella 81537*
Grahamstown Albany Museum 82609
Grain
acreage and area 57151 48539* 69437* 84518*
Poland 93711* 93718* 93725*
analysis and composition 6758 6820 14234 14278 22489 31096 31177 48550 48740 57128 65922 75274 84476 93705 93722 6749* 6805* 6813* 13445* 14283* 14284* 22468* 48512* 48520* 48523* 48531* 48558* 48581* 75362* 84515* 84519* 84522* 87549*
anatomy and physiology 1177 25007 25021 34083 34103 42879 50935 68580 69138 87555 87661 984* 1157* 1223* 8895* 8979* 9111* 9125* 9153* 9198* 16616* 16878* 39807* 39819* 42557* 42811* 51099* 59823* 59949* 59967* 68692* 69097* 87549* 87662* 87730* 87829* 87842* 87877* 87892* 87950*
bibliographies 1008
associations 6842 48500* 48501*
biochemistry 14224*
breeding 24714 77854 87467 51099* 59540* 77417*
Canada 17020 33232 77873
Germany
East Germany 25299*
Switzerland 12474*
USSR 9383* 9393* 43096* 60408* 60409* 88424*
care and handling 6849 75275* 84520*
conferences and congresses 83966
costs 84520*
equipment 13139 84452 21643* 57157* 65904* 74154*
chemistry 14247 22504 57129 65949 84435 93732 14285* 31164* 84445*
associations 22511*
cleaning 31103 5784* 13269* 92881* 92900*
conditioning 6814 6826* 13898* 14218* 14239* 31102* 84443* 84444*
Germany 14213* 14289*
South Dakota 14287

Item

Grain--Cont
conferences and congresses 22487 22504
consumer preferences 93757*
consumption 14217 22495 93200 93683
containers 39524 57150
contamination 14243 25007 31096 93705 65941* 75267* 75323*
cooperatives 22462 31134 39829 48537 57144 65892
Canada 31197 65946
directories 6765 75290
Iowa 75290
costs and returns 22528
Canada 76274
Great Britain 34444 49215
Illinois 40663 66677 66746
Nevada 23355
USSR 93734*
credit 23006
culture 69544 60410* 68927* 68928*
Denmark 88375*
Finland 9410* 10325*
France 25310* 34427* 61379*
Germany 88260*
East Germany 43098*
Great Britain 1506 9371 34444
Hungary 10331*
Italy 34380*
Kenya 77965
Netherlands 1454*
North Carolina 25368
Norway 25317*
Oklahoma 34387
Pakistan 9386
Republic of South Africa 51614
South Carolina 1508
Sweden 25353* 51633* 60435* 88349*
USSR 1477* 9368* 10329* 17021* 34400* 41591* 43174* 43292* 51610* 60412* 60457* 69280* 69327* 69376* 69432* 69565* 69653* 78762* 88295* 88371* 88408* 88455* 89813* 92080* 92123*
cytology 42188
defects 57174*
directories 65875
California 30698
Indiana 14248 84464
Iowa 6765 48583
Missouri 75326 75327
discoloration 84514*
disease resistance 33232 41807 77126 77854 86890 60409* 77027*
diseases 24116* 67746* 67747*
Argentina 15884
Australia 24154* 86684*
Austria 33064
Canada 15949*
Denmark 86680
Great Britain 68870 77733*
drought resistance 5786 6788 23006 22486* 65224* 75357* 84414* 92873* 93691*
drying
equipment 38712 83136 83141 13271* 13279* 29972* 39822* 47594* 48545* 56194* 64913* 65871* 65872* 75286* 75302* 92875*
Germany 92888*

Item

Grain--Cont
drying--cont
equipment--cont
Great Britain 64916
Norway 5780* 74136* 74162*
Sweden 5782* 13264* 13265* 21645*
USSR 5784* 13268* 29969*
Finland 21631* 39828*
Germany 14277* 38723*
Poland 6837* 48516*
structures 65027
ecology 1223* 42126*
enzymes 65912* 84530* 84531* 84532*
equipment 83071
exchanges 48552 93690*
directories 48585 65889
farms 7585 57986
Germany 40550*
Great Britain 49215 57908*
Illinois 66677
Latvia 23258*
USSR 15022* 85495* 85570* 94423*
Yugoslavia 65899
fat and oil content 31180* 66140*
feed 3326 3351 3357 3376 3393 3883 6404 6915 11507 11522 12096 12218 13909 14230 14254 14309 14325 19726 19728 20479 22133 22163 27235 27613 27637 29886 29891 30724 30731 30742 31126 36182 36491 39428 39429—39431 39435 39455 41012 45489 54237 54714 56825 56836 57151 57187 57199 65560 72014 72534 75278 80115 80204 81181 91280 91455 93467 3551* 4226* 4718* 22122* 36475* 37390* 46207* 46280* 56825* 59949* 63134* 63607* 83983*
Australia 80200 81010
Canada 48143
Great Britain 36516
Ireland 90534
policies and programs 6770 6771 22150 48151
South Dakota 11489
Southern States 39453
Sweden 63586*
Texas 19713 19760
USSR 3033* 9368* 14315*
fermentation 6811*
fertilizers 2309 17057 18099 1288* 52711*
Australia 44224
Canada 52832
Chile 2334
Finland 10210*
France 61400*
Germany 10158* 10171* 18428* 42811* 52723* 67746* 70508* 70570*
Great Britain 44165 52769 78750
India 35331
Italy 10193* 89784*
Philippines 52432
Poland 10163*
Sweden 70607* 70608*
USSR 10301* 35289* 78596* 78628* 89765*
Virginia 18385

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Item

Grain--Cont
flavor and odor 84447*
for processing 47841*
forage plant 69544 34530*
Australia 72933
Canada 17178
Indiana 9501
Kenya 77965
New Zealand 69626
Republic of South Africa 1600*
South Carolina 1508
Texas 17160 60522
USSR 17154* 17199* 69565*
Utah 12100
fortified 31133
fumigation 37776 46631 55526 55527 64058 81838 91455 55544* 81844* 84466* 84467*
equipment 64037
fungus diseases 445 8473 24316 33215 41792 41807 50291 50276 51509 67920 8542* 24382*
Africa 8456*
Australia 480
Austria 24302*
Canada 16010 33162 33232 77115
conferences and congresses 41873* 77161*
control 16011 33182* 41919* 50297* 59034* 67776*
Australia 24308
Denmark 16081*
Georgia 58989
Germany 16074*
Italy 50279*
Netherlands 41845*
Rumania 33158* 41745*
USSR 8412* 8478* 58917* 86891*
Europe 50305 8456*
Finland 86890
France 8457* 8489*
Great Britain 41781
India 58424
Japan 50419
Kansas 24211
Mississippi 24334
Morocco 8483*
Poland 86887*
Sweden 59004 16091*
Switzerland 8446* 8556*
futures 6756*
genetics 24714 42442 68483 43096* 59703*
germination 42878 1262* 34401* 42557* 42563* 68664*
grading and standardization 22133 38712 48572 93755 6769* 22455* 84431* 93729*
hardiness 42804* 59899* 60408* 87724* 88391*
conferences and congresses 59754*
harvesting 43116* 69370*
costs 56174 7653* 74121* 82961*
Czechoslovakia 47418*
equipment 5767 56174 56181 5746* 5748* 29937* 38706* 83097* 92823* 92826*
Bulgaria 92848*
Czechoslovakia 13227* 56175*
Finland 21631*
Germany 83098* 92861*
East Germany 88355* 92796* 92812* 92814*

Item

Grain--Cont
harvesting--cont
equipment--cont
mountain areas 47430*
USSR 13252* 13253* 29944* 38691* 47411* 47420* 74117* 83113* 92797* 92842* 92854* 92860* 92864*
Finland 17077*
Germany
East Germany 43113*
Great Britain 29934
labor 56174 66486*
Sweden 59949*
history 22541* 39874* 60410* 65943*
hydrogen-ion concentration 48531*
India 22476
industry 57168
European Economic Community 93733*
France 75287*
Germany 6775*
Italy 48543* 84507*
Japan 14219* 14316*
USSR 22460* 57146* 84528*
injuries 33137 81836 47418* 58832* 63931*
irrigation 18428* 89836* 89837* 89892*
keeping quality 65940*
labor 14765* 94224*
legislation 48544*
loading equipment 47282* 73946* 83217*
losses 57150 92811 14213* 38706* 92826*
marketing 14254 31092 31128 93703 30217*
Australia 48526
Canada 84524
Georgia 14210
Germany 30217* 48535*
East Germany 93737*
Great Britain 57165
Italy 39834*
Missouri 6854
Nebraska 6809
Rhodesia and Nyasaland 65920
Southern States 39841
USSR 14222
mechanization 13150* 82961*
microorganisms 12613 39805 84468 14276* 84525* 93720*
milling and baking quality 14256 6813*
moisture 6814 27613 67680 6769* 13268* 14215* 14289* 14315* 31135* 75263* 71663* 93717*
determination 57203 14245* 65921* 75255* 75344* 84489* 84500*
morphology 59530* 59540* 59568* 59585* 87345*
nematode resistance 24463
nematodes 42082
Australia 480
Great Britain 33430 16167*
Ireland 602 77268
Scotland 46478
Sweden 595*
Netherlands 60463* 60464* 75366*
nutritional deficiencies 51073*
nutritive value 15466 15478 32419*
reviews 23705
pest control 12487 46482 48510 55532 81836 81839 55409*

Item

Grain--Cont
pest control--cont
Africa 86673*
Argentina 81642*
Bulgaria 92093*
Colorado 55389
Germany 64040*
Great Britain 20729
Kenya 28955 81724
Mozambique 41615*
Netherlands 41845*
USSR 12470* 55402* 55403* 58839* 63882* 63886* 63887* 63941* 63964* 73257* 81674* 81710* 81711* 92080* 92123*
United Arab Republic 81834
pest resistance 12450 12474*
conferences and congresses 63897*
pests 20789 46482 4718* 24116* 63931*
Africa 77065*
Australia 81635
Canada 5250
Denmark 28992* 92116*
Finland 73740
Great Britain 41612
Iran 73731
Italy 50279*
Kenya 81632
Nigeria 73205
Pennsylvania 86629
Scotland 46478 73243
Sweden 20747*
USSR 28995* 46974* 92069* 92123*
planting 43172 34401* 42557*
equipment 56155* 64861* 74063* 74069* 83070* 92781*
Germany 9409* 69329*
East Germany 25299*
Switzerland 69368*
planting date 9409* 43116* 59899* 88326*
policies and programs 14236 14309 22135 31208 39428—39430 39455 56331 57168 57199 58300
European Economic Community 22530* 48544* 49629* 57159*
Italy 39867*
Mauritius 39833
Poland 93706*
USSR 14263 84471 18330* 22494* 22533* 75329* 84473*
prices 30742 57187
European Economic Community 49629* 75261*
Finland 57162*
Germany 14249*
India 31199 84420 93741
USSR 93734*
processing 6404 31126 65923 47447* 65866* 65940* 84466* 84467* 93749*
costs 14298*
equipment 5746* 13272* 39849* 56196* 74152* 92866* 92867* 92891*
Bulgaria 92848*
USSR 92842* 92892*
Czechoslovakia 29964*
Germany 6748* 14286* 39849* 57131*
USSR 14298*
production quotas 76659
production regions 83306

Item

Grain--Cont
products 48556 57150 65846 6797* 74589*
analysis and composition 84409 84424 14241*
consumption 93683
nutritive value 32419*
pests 20864 55550 64352
vitamins 76626 84409
properties 6829 48556 57132 14275* 65847*
proteins 22508 22537 45898 48514 58351 75342 81181 984* 1288* 48512* 60224* 63134*
purchase and sale programs 22453 22484 65907* 93706*
purchasing 22133
quality 48581*
Canada 52832
Germany 75362* 84522*
Netherlands 60402*
Norway 57195*
Sweden 6805* 31147*
USSR 6797*
regulation and inspection 31103 31137 57154 57198 93703 6797*
Rhodesia and Nyasaland 15466
sanitation 31137 84485 22122*
seeds 1453 69400 24116* 29972* 68664*
certified 57480 57492 84968
Finland 14576*
injuries 67717*
processing 47447*
quality 14576* 43116* 88340* 88365* 88424*
Southwestern States 1464
storage 67680
Sweden 57472* 94011*
Switzerland 69368*
treatment 33064 41592 42878 67680 33143* 55538* 77738* 89543*
Canada 86638
Denmark 16081*
Georgia 58989
Italy 77048*
Netherlands 41845*
USSR 86891*
USSR 14580* 31521* 48903* 57485* 58917* 88371* 88408* 92873* 94018*
vernalization 87662*
viability 1211 16749* 17077*
situation and outlook 6782 14230 30724 56331 57134 75304 84495* 93719*
Brazil 14255*
France 14281*
Germany 48557*
Italy 39792* 75325* 84506*
Switzerland 14270*
Texas 19760
Turkey 84529
soils 88291* 89543*
Finland 9111*
Germany 42811*
Netherlands 87730*
Scotland 44321
USSR 17911* 55402* 69327* 78628*
spoilage 46280*
spontaneous combustion 12617 31162 48582 84508*
spraying and dusting 67713

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Item

Grain--Cont
sprouted 45464 16749* 39807* 39819* 57174* 71663*
starches 65931 6784* 31159* 93749*
statistics 6752 6782 31110 48513 48533 48552 56527 57137 65900 93688 93752 75336*
Argentina 6755*
Canada 65857 75854
Czechoslovakia 84512*
Germany 31108* 48505* 48535*
storage 31113 31121 39805 75304 75321 84468 93703 14218* 22458*
accounting 66431
Australia 6825
Canada 64048 75854
costs 22528 30742 56174 74152*
Czechoslovakia 14253*
diseases 48582 84525*
equipment 12616 39876* 74154*
France 22506* 92720*
Germany 14283* 14284* 39812* 65926* 84447*
East Germany 93737*
Great Britain 64916
humidity 65848*
Italy 22480* 31179*
labor 56174
Missouri 22505
Nicaragua 75265*
Norway 57195*
pest control 12487 12608 20864 29131 37767 37768 37776 37791 46620 46621 46623 46631 46633 57183 64034 64035 64037 64058 73333 73334 81836 81838 81840 81846 92205 92207 20872* 29120* 55538* 55544* 75265* 81844* 92213*
Colorado 55531
Germany 73336* 73337*
India 92214
Latvia 37782
Mexico 37777*
Middle Atlantic States 46618
Pakistan 46612
Poland 81856*
Sweden 81851
Republic of South Africa 31127
USSR 37785* 37786* 55528*
Washington 55553
pests 4723 4740 12613 12616 12617 29118 29119 46633 55550 64048 64051 64352 64353 73345 81863 92204 38143* 73335* 92216*
Canada 37790
Germany 55540* 73338* 73339* 73340* 73341*
Great Britain 29121
Poland 81856*
Poland 48516*
Rumania 75275*
structures
bibliographies 22477
Brazil 83279*
Cyprus 6781
Germany 13394* 84434*

Item

Grain--Cont
structures--cont
Germany--cont
East Germany 65028*
Great Britain 65027
Portugal 93740*
Sweden 48524*
temperature 12617 14287 48582 73345 84442 92204 14215* 93740*
USSR 6797* 14315* 75272* 93750*
United Arab Republic 57171*
ventilation 13392 31140 57153 65932 31135* 47770* 65224* 92996*
subsidies 66610
surpluses 14230 57199 65061 65949 76578
tests 14256 22508 31192 84409 93709 14293* 22521* 93684*
equipment 48561* 65941* 75344*
theft 84406
threshing 38712 92811 5790* 60434* 65847* 92871* 92874* 92884*
toxicity 37390*
trade 32370 31121 32417 40980 41012 58299 58300 58301 76507 76578 84495* 93719*
Belgium 65937*
Canada 7853 23591
China 7869
Europe 76535 32388*
European Economic Community 23627 49629*
Greece 76507
Norway 15387*
statistics 40972
transportation 31106
by truck 84517
by water 31092 57163 65904*
costs 84429 84457
equipment 57155* 57191* 83194*
Nebraska 6809
North Central States 6785
Southern States 84457
statistics 57163
USSR 75312*
utilization 65931 65949 56573*
varieties 17057 88357 87549* 87892* 88399*
Austria 34417*
Canada 25358 34405
Czechoslovakia 88458*
Denmark 88375*
Finland 69405 9410*
France 61379*
Germany 1507* 51636*
East Germany 43113* 83097* 88355*
Great Britain 1465 9372 52769 77902
Indiana 9501
Ireland 69332* 69337*
Italy 34386*
Kenya 77867
Mississippi 17013
Missouri 51678
Nebraska 9358 9359 77878
North Carolina 17069 51629
Norway 25317*
Pakistan 88311
Scotland 43170
South Carolina 17031

Item

Grain--Cont
varieties--cont
Sweden 1441* 25353* 51633* 88349*
Switzerland 69437*
Texas 17160
USSR 9393* 14275* 43146*
Washington 60474 60475
Wyoming 88369
virus diseases 8605 50472
Australia 588 77230
control 67999
Czechoslovakia 46459*
Europe 33392*
Japan 566*
vitamins 31177 65922 65923 84409 6826* 14286* 86076*
waste 19399* 27634* 93449*
weed control 1964 9872 43713 52213 55409* 56131* 89268*
Australia 17746
Austria 70074* 86684*
Bulgaria 92093*
California 17647
Canada 9873
France 70033*
Germany 78224*
Great Britain 35007 43712 89291
Northeastern States 60951
Norway 52263*
Switzerland 61014*
USSR 9910* 43765* 43822* 89406*
Washington 52327
weight and measurement 6779 84406 75313*
yields 1466 18099 34103 41592 52711*
Canada 52832
Czechoslovakia 84512*
Denmark 34397*
Finland 69405 9410*
Germany 44266* 68692*
East Germany 43098*
India 35331
Ireland 69337
Mississippi 17013
Nebraska 9358 9359
Netherlands 60402*
North Carolina 51629
Philippines 52432
Republic of South Africa 51614
South Carolina 17031
Sweden 70607* 70608*
USSR 2777* 9153* 9401* 10301* 14275* 17064* 35430* 43146* 60412* 78596* 89892*
Yugoslavia 65899
SEE ALSO Grain banks; Grain elevators; Mills and milling; Threshing; and names of grains
Grain and Oilseeds Merchants' Association 22476
Grain banks 6411 31113 75321 93694
Grain elevators
Belgium 65937*
Canada 65858 14226*
construction 65877 31117* 65882* 75283*
cooperatives 6787 14267 22176 39789 75331
directories 14235 75289 84437
equipment 6780 39822*
Georgia 14210
Indiana 84517

Item

Grain elevators--Cont
Nebraska 6809
Oklahoma 57164
research
linear programming 48506
Tunisia 75348*
types 47594*
Grain Trade Buyers Guide 65875
Grain Trade Year Book 31110
Gram SEE Chickpeas
Gram K 58405* 58408*
Gramine 43047
Gramineae SEE Grasses
Grammitidaceae 15825*
Grammitis 8266 58740 58738*
Granadilla
culture 25601 1695*
diseases 68024 87054 359*
Hawaii 65692
packing 57044
pests 359*
Granadilla juice 84183 84184
Granary weevil SEE Sitophilus granarius
Grandi G 32537*
Grandjeanella n g 4955
Granite soils 2491 77345 18189*
Granosan 41910 1188* 24370* 58993* 67783* 86931* 89543*
Granular vaginitis 72225
Granuloma 54507 36647* 81028*
Granulometric analysis 57513*
Granuloses 4879 73518 63795* 64090*
Dendrolimus sibiricus 29712* 81894*
Pseudaletia unipuncta 5526
Grape berry moth SEE Paralobesia viteana
Grape mealybug SEE Pseudococcus maritimus
Grape phylloxera SEE Phylloxera vitifoliae
Grapefruit
analysis and composition 39638 93557
anatomy and physiology 9115 9215 34237
care and handling 65806
fertilizers 35402 61432 61439 61441
fungus diseases 8626
hardiness 9214 34237
harvesting 65749
hybrids 60662
industry 6629
irrigation 44462
marketing 14087 65749
nematodes 8626
nutritional deficiencies 34181
pest control 12540 81740
soils 35402
spraying and dusting 12540 61432
statistics 6740
trade 49612 65806
varieties 44462 76286
virus diseases 59121
yields 9597
Grapefruit juice 30976 57091 84338*
Grapefruit seed oil 66117
Grapejuice
acids 83653*
analysis and composition 39201* 65318* 83653* 84191*
chemistry 65713*
clarification 93634*
enzymes 65713*
extraction 22420* 39161*

*Text of this reference is not in English.

Item

Grapejuice--Cont
hydrogen-ion concentration 75160*
industry 57053
manufacture 34670* 57098* 75192*
molds 6163
nutritive value 80688*
processing 57053 57095 22420* 57064* 57083* 93633* 93649*
proteins 75095*
quality 93633* 93634*
Grapeleaf oil 84825*
Grapes
abnormalities 50820* 59474*
acreage and area 32108* 84404*
analysis and composition 56976 65702 84210 30953* 30955* 50916* 65699* 75108* 84209* 84216*
anatomy and physiology 9048 9204 24926 25168 33826 34224 34669 42782 42904 46542 50915 51259 59757 59763 68545 68876 69135 77590 87934 88060 1068* 1147* 8930* 9180* 16639* 16667* 16759* 24776* 24788* 24873* 24877* 24933* 24936* 24946* 24976* 25044* 25058* 25059* 25127* 29075* 30362* 33714* 33822* 34082* 34111* 42239* 42454* 42597* 42598* 42633* 42719* 42720* 42725* 42745* 42766* 42827* 42874* 50916* 50919* 50936* 50985* 51144* 51155* 51160* 51179* 51235* 51250* 51316* 51329* 51371* 51373* 51384* 59553* 59750* 59815* 59946* 60113* 60216* 68572* 68610* 68658* 68720* 68721* 68722* 68768* 68860* 68875* 69007* 69153* 77466* 77601* 77643* 77700* 77747* 87565* 87619* 87736* 87762* 87778* 87784* 87787* 87822* 87841* 87862* 87884* 87890* 87895* 87936* 87992*
bacterial diseases 8571* 50436* 86983*
biochemistry 33798* 60308* 67990* 69182* 77824* 88180* 88210* 88221*
breeding 24776* 34505* 69944* 78090*
Austria 30381*
Czechoslovakia 88935*
France 60721* 78089*
Japan 34677*
North Carolina 25675
USSR 25646* 25656* 25661* 25665* 60729* 69703* 92171*
California 48283
conferences and congresses 43432* 43433* 43434* 52731* 61344* 70523* 77643* 86239* 86240*
containers 93612 13622*
contamination 6683
cooperatives 75144
costs and returns 25676
Bulgaria 40686* 43443*

Item

Grapes--Cont
costs and returns--cont
Florida 76286
Germany 32027* 66376*
Hungary 7667*
Netherlands 23353*
New York 49300
Switzerland 23360*
USSR 23303* 31952* 66637*
culture 13205* 60708*
Albania 1727* 43439*
Australia 34664 49600 58264
Austria 42239*
Bulgaria 43443*
California 50227 58857*
Canada 17366
Czechoslovakia 60711* 69780* 78087* 83043* 88947* 89794* 89807*
Denmark 88959*
Eastern States 25669
Europe 78093
France 43440 57765* 60708* 60728*
Germany 9661* 41723* 83048*
East Germany 44285*
Hungary 1732* 41648* 60723*
India 44308
Ireland 25674
Italy 1734* 51971* 69767*
Japan 25651* 34677*
Latvia 25663*
Rumania 51879* 51978* 51983* 51989* 51992* 51996* 53020* 53044* 88929*
Spain 9670* 10327* 25664* 39599*
Switzerland 25545* 44484* 64830* 69771* 86653*
Taiwan 34684*
USSR 1721* 8323* 9643* 9659* 9663* 9675* 13202* 17381* 25643* 25652* 25657* 25666* 25667* 25673* 50254* 51995* 60714* 60722* 60730* 61461* 83059* 86660* 88973* 89810*
United Arab Republic 34676*
Washington 17387
cytology 33702 42287
disease resistance 404 58936* 60729* 92171*
diseases 8583*
control 67685* 67716* 86239* 86240*
California 33040
conferences and congresses 8403*
Eastern States 341
Germany 41723*
Italy 58820* 86674*
USSR 8403* 41680* 50197*
USSR 67762*
Yugoslavia 8364*
drying 48451*
equipment 13205* 29869* 29911*
Germany 82932*
East Germany 13210*
Italy 64826*
Switzerland 5729*
USSR 13202* 29906*
espalier 13205* 51974* 88959*
fertilizers 44254 34082* 43433* 50936* 52731* 61344* 68768* 70523* 78645* 89678*

Item

Grapes--Cont
fertilizers--cont
Austria 70534*
conferences and congresses 70522*
France 61352*
Germany 44247* 70652*
Hungary 26249*
India 44206
Italy 26238* 78590* 78660* 78662* 89651*
Japan 78627*
Republic of South Africa 70620*
Rumania 52704*
Spain 26294*
USSR 10263* 24933* 35345* 50752* 52706* 61393* 70664*
Western States 35342
Yugoslavia 89695*
for processing 88932
fruit set 42541
fumigation 12559*
fungus diseases 389 404 15982 86812 33202* 41908* 50280* 86848*
Australia 455
California 33221 33313
control 8453* 24327* 58953* 77191* 86769*
Argentina 50341*
Australia 24305
Austria 41808*
Bulgaria 86903*
Czechoslovakia 86901*
France 33160*
Hungary 86740*
Italy 382* 24209* 24314* 33188* 33322* 50310* 67781* 86765* 86955*
Republic of South Africa 86749
Rumania 24322* 50262*
Switzerland 33247* 41822*
USSR 33293 8416* 16090* 24269* 24374* 59050* 67777* 67862* 67863* 77141* 86935* 86956* 86970*
Yugoslavia 24291*
France 41741* 58936* 77171* 86797*
Greece 33343*
history 33313
Italy 67913*
Netherlands 8501*
Republic of South Africa 24208
Switzerland 41822*
USSR 60729* 86744*
Yugoslavia 86734*
genetics 957* 33798* 59730* 87389*
germination 957* 24788* 87893*
hardiness 1733 16791* 25181* 25185* 42673* 42674* 51144* 59750*
harvesting 49070* 57738*
Brazil 52000*
equipment 56186 74110 13248* 29938* 29954*
USSR 51988*
harvesting date 51982 51371* 51373*
history 30366* 30923* 75058* 88845*
hybrids 957* 33798* 39201* 51170* 78090* 83637*
Czechoslovakia 88963*
Italy 88936*

Item

Grapes--Cont
hybrids--cont
North Carolina 25675
Rumania 51972*
USSR 25646* 25661* 83705* 92190*
industry
Algeria 39621*
California 48283
France 48301*
Germany 30923*
Italy 14048* 30357* 39621* 65673* 93204*
Spain 21970*
USSR 30915 65679
injuries 8341* 8405* 33188* 67729* 67760* 77045* 86605* 86723*
California 50227 78920
Switzerland 67724* 86691*
USSR 25673* 50254*
irradiation 93633* 93634*
irrigation 42874* 50936* 78919*
California 78920
Germany 10349* 44341*
Italy 25662*
USSR 2435* 10351* 44446* 52969* 89853*
Yugoslavia 25044*
labor 7446* 31763* 49070* 57738* 75935*
Austria 39185*
France 57765*
Germany 14769*
Switzerland 66475* 85302*
USSR 49088* 66444* 85303*
mechanization 5708*
Germany 13132*
Italy 38603* 38609* 38610*
Portugal 13137*
Switzerland 73989* 73990*
USSR 7446* 47304* 47307* 49088* 56086*
microorganisms 6163 39181* 47858*
morphology 16274* 50727* 50748* 50752* 59120* 59553* 59642* 68298*
nematodes 612 77288 87133 41978* 42084*
nutritional deficiencies 59829 77590 42599*
packing 85987 14103*
pest control 6683 12537 46542 81811 70523* 86239* 86240*
Australia 29088
biological 46541
California 33040 46541 55507
conferences and congresses 8403*
Eastern States 341
France 46587* 77049*
Germany 41723* 46549*
Italy 382* 29067* 58820* 86674*
Republic of South Africa 29111 81817 81818
Rumania 37728*
USSR 4689* 8403* 12559* 29055* 29078* 29091* 41680* 46555* 50197* 55489* 55491* 55494* 55509* 73308* 73277* 73297* 86970* 92176*
Washington 55517
pest resistance 12924* 64004* 81795* 92171* 92178* 92185* 92190* 92197*

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Item

Grapes--Cont
pests 21357* 29085* 29097* 50280* 67685*
Australia 4685
Austria 64014*
China 37703*
Georgia 63996
Germany 86687*
Italy 37748* 73318*
Switzerland 37697*
USSR 29075* 55484* 67762*
Yugoslavia 8364* 29085*
physiological diseases 88060 42725* 59886* 68815*
planting 13198* 17382* 21602* 64852* 89794*
reviews 13219*
policies and programs 65300* 65322*
Bulgaria 84173*
Czechoslovakia 93541*
European Economic Community 75079* 83625*
Italy 84177*
Switzerland 30928*
USSR 14027* 14039* 22315* 30913* 56950* 84137* 84175* 93540*
pollination 42782 1068* 1713* 51170*
processing 6719* 48352*
propagation 9647 64827* 88953
by cuttings 24926 33380 42460 77288 9180* 25641* 50936* 52004* 87787* 87813*
by grafting and budding 9678 13367 17370 88944 1147* 13213* 24925* 25662* 25678* 25679* 42673* 42725* 43445* 47580* 51144* 51984* 51986* 52004* 56308* 60727* 64827* 68610* 88180* 88934* 88957* 88960*
by layering 17376* 52006*
properties 56968* 84265*
pruning 1711 34669 9669* 34670* 43432* 43433* 51235* 88937*
Australia 9666
Austria 43441*
Bulgaria 69783* 69784*
China 88961*
Czechoslovakia 88948
Denmark 88959*
France 78088* 87762*
Portugal 9639*
Rumania 51969* 51983* 51991*
Spain 17365*
USSR 25636* 52005* 60718* 88933* 88952*
purchase and sale programs 48352*
quality 1721* 13652* 42598* 42745* 51235* 51967* 61393* 69771*
Republic of South Africa 84216*
research
statistical methods 88821*
rootstocks 88944 24933* 43445* 88937* 88953*
Rumania 51968* 51990* 52704*
Switzerland 69772* 69773*
USSR 51986* 60718* 64004*
seeds 24925* 30425* 31513* 87893* 94017*

Item

Grapes--Cont
situation and outlook 30893* 48311* 93544*
California 6606
Italy 30914* 75053* 84177*
Spain 39599*
USSR 22310*
soils 77590 18046* 42766* 44016* 44026* 68722* 88210*
Czechoslovakia 83043* 88947* 89796*
Germany 82875*
Rumania 50916* 53044*
Spain 9670*
Switzerland 26596* 44484*
USSR 2370* 44474* 52743* 61464* 70703* 86744* 92176*
spraying and dusting 78645*
equipment 47481* 74189*
reviews 38743*
France 33160*
Hungary 69007*
Switzerland 41719*
USSR 8323* 67777* 67862*
statistics 14203* 47851* 84394* 84404*
storage 84320 14173* 31032* 31034* 31042* 51988* 93645*
surpluses 57098*
tests 56976
thinning 42745*
trade 49600 58264 85987 84394*
transportation 14103* 30974* 39680* 84265* 93645*
USSR 56926* 56928*
utilization
conferences and congresses 70522*
varieties 42904 69135 84320 9668* 42454* 42674* 56968* 59750* 88935*
Albania 43439*
Algeria 31624*
Argentina 16274*
Australia 34664
Austria 34686*
Bulgaria 59474* 69783* 69784*
Canada 9652
Czechoslovakia 60711* 78083* 88934*
Eastern States 9681
Europe 88963*
France 34683 65281* 78089* 88939*
Greece 88951*
Hungary 25649* 68298* 94830*
India 9644 44308
Italy 1716* 1717* 1718* 1719* 9645* 9646* 9665* 25638* 25639* 25640* 69767* 78084* 78086* 88931*
Japan 51259
New York 9652 69788
Republic of South Africa 88932
Rumania 51371* 51987* 51989* 69777* 88928*
South Dakota 1733
Spain 78092*
Switzerland 17369* 69770* 69773*
USSR 1712* 1713* 9675* 25635* 25665* 34111* 34663* 43373* 43438* 51384* 51967* 51997* 55484* 60707*

Item

Grapes--Cont
varieties--cont
USSR--cont
60709* 60712* 60719* 69781* 69790* 83705* 88927* 88972* 88973* 92185* 93209*
Yugoslavia 24788* 25044*
vineyards
Argentina 29869*
Czechoslovakia 85532*
equipment 74027*
France 34683
layouts 13105* 56053*
management 31952* 31976*
France 69774*
Germany 14960*
Hungary 76178*
Republic of South Africa 25676
Rumania 51974* 88969*
USSR 57948* 61464* 66637* 88843*
mountain areas 53020* 53043*
Rumania 51329*
statistics 22444 31076
USSR 9573* 23303*
virus diseases 537 33380 77226 8593* 16118* 59120* 67990* 77220*
Australia 41988 87088
Austria 77248*
California 33385
conferences and congresses 87006*
Czechoslovakia 41962* 87012*
France 8588* 77221* 81799* 92182*
Georgia 63996
Germany 42013* 66376* 77263*
transmission 41978*
USSR 42022*
vitamins 94830*
waste 2534* 27253* 80147*
weed control 89376
California 17736 25918 35016
France 60965*
Germany 70059* 70060* 89322*
reviews 89390*
Rumania 52166*
Switzerland 70110*
USSR 1907* 1925* 1959* 25944* 43700*
yields 24946* 42598* 42745*
Australia 34678
Czechoslovakia 89725*
Eastern States 25669
France 9642*
Germany 41978*
India 44308
Rumania 51373* 51978* 69777*
Switzerland 1725* 84404* 93680*
USSR 10263* 25185* 55484* 61393* 64004* 70664* 88973*
Graphium ulmi 90225*
Graphocephala coccinea 12948
Graphognathus 92125
Graphognathus leucoloma 46525
Grapholitha 21366
Grapholitha funebrana 81739* 92189* 92193*
Grapholitha glycinivorella SEE Leguminivora glycinivorella

Item

Grapholitha molesta 37733 81788 29109* 73849* 92174*
reviews 63988
Grapholitha orobana 29632
Graphoraglius SEE Rhyparochromus (Graphoraglius)
Graptopetalum paraguayense 69025*
Graptostylus n g 82382
Grass grubs SEE White grubs
Grass tetany 48681* 90590*
cattle 80324 90996 90998 91000 91063 11669* 11679* 27856*
Germany 72219*
Great Britain 80416
Ireland 91080
Maryland 91053
prevention 72231* 91095*
West Virginia 91025
control 90672*
Germany 90649*
horses 54639*
ruminants 90624
sheep 91080
treatment 79761*
Grass waterways 2494 44471
Grasserie 37947*
Grasses 17219 32771 157*
Africa 9290* 24029*
analysis and composition 8896 39427 39445 48125 48137 71642 74897 93458 93475 26297* 52553* 54403* 71705* 74911* 80444*
anatomy and physiology 1130 8749 8896 8955 20858 24868 25482 26324 33841 42185 42544 42566 42643 42712 50663 50737 50972 51251 51322 51411 68532 68776 77520 77751 87545 1573* 9144* 16654* 16757* 24966* 33834* 33963* 34188* 34220* 42562* 42691* 42751* 46852* 51074* 51349* 59779* 59795* 59858* 59962* 59987* 60162* 60176* 60220* 68534* 68553* 68767* 68797* 68851* 69049* 69073* 69074* 70175* 77563* 77583* 77595* 79406* 87509* 87531* 87944* 89891*
reviews 25170
Argentina 23976* 50065* 86469* 86487*
Asia 67419
Australia 32800 58718 61598 76928
bacterial diseases 67975*
biochemistry 51474 60300 88147 1327* 9290* 69215*
breeding 17211 69548 34507* 43249* 69621* 88358*
research
statistical methods 88601
California 15731 15791 32845 51799
control 25884 43798 53312 60193 70105 78185
California 1582
chemical 52258 53366 43766* 89256*
France 43758*
Great Britain 35005

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Item

Grasses--Cont
control--cont
India 35053 52264
Louisiana 43813
culture 51074* 88559*
Canada 17178 18287 42837
Congo 9455*
Czechoslovakia 43288* 88592*
France 44250*
Germany 77949* 77951*
East Germany 49269*
Great Britain 1543 88526
Hungary 69530*
India 78938
Kansas 34488
Kenya 9492
New Zealand 1560
Poland 88553*
Rhodesia and Nyasaland 88680
Rumania 88328*
South Dakota 9506
Texas 26324
USSR 34522* 43292* 60457* 60541* 69557*
cytology 16370 50693 76921 77410 33603* 59563*
desert areas 8749
dictionaries 50024*
digestibility 9495 62338*
diseases 12473 15884 33064 86627 15947*
drought resistance 87906
drying 5795 38713 29939* 83131* 90528* 92903*
ecology 26122 33572 16220* 87174*
Estonia 24518*
Great Britain 42120
Hungary 87148*
Mozambique 42141*
Nevada 8661
Texas 59236
USSR 59264* 59269* 59330* 59337* 87210*
feed 3385 63417 81002 62573* 79728* 80120* 91687*
fertilizers 10240 18266 44347 51411 52764 52842 70515 89832 51074*
Czechoslovakia 87509*
Florida 26222
Great Britain 18254 78635 78921 89686
Hungary 78728*
Illinois 18362
Italy 70628*
Kansas 26286
Pennsylvania 52798 52799
Scotland 44195
Southeastern States 36524
Tropics 52812
USSR 69497*
Wyoming 26221
fungus diseases 446 451 508 24378 33244 58939 67803 41882*
Argentina 86836*
Brazil 77097*
control 16031
Europe 50305
France 8455* 8457* 86907*
India 77182
Mississippi 24334
Pacific Northwest 50415
Rumania 67885*
Western States 299

Item

Grasses--Cont
genetics 24697 33503 77433
germination 24903 52198 68573* 87944*
Great Britain 43217 58706 58714
hardiness 1815 1203* 59858* 60162* 60541* 60588*
conferences and congresses 59754*
harvesting
costs 74088
equipment 29939* 56168* 74118* 83099* 92802* 92846*
mountain areas 74120*
North Dakota 17217
Yugoslavia 88554*
identification 1544 15778 77362 23976* 76984* 87290*
India 41458 67491
irrigation 44347 78868 78921 89832 70660* 70714*
Japan 76947
Malagasy Republic 86427*
Mexico 77410
Missouri 41416
morphology 16367 24587 33667 50789 68402 77362 16394* 42238* 50720* 50774* 59351* 59385* 59407* 59449* 59450* 59451* 59566* 59585* 59622* 59632* 68246* 87290* 87304*
mulch 89797
nematode resistance 24463
nematodes 42080 16174*
New Guinea 41367
Nigeria 15729
North America 50084
nutritional deficiencies 1130
nutritive value 8896 17217 19712 27601 50972 71642 72059 77935 80169 81009 36201*
pest control 81724
pest resistance 63925*
pests 12473 63911 73810 47050*
Canada 5250 63943
Denmark 92116*
Finland 73740
India 47227
New Zealand 81634
Trinidad 55474
USSR 46852* 92069*
physiological diseases 9110*
planting 2371 43517 1573* 59622*
Australia 69569
California 10403 25432
Canada 17177
Czechoslovakia 88516*
equipment 34480 38683
Florida 44120
Ireland 77936
New Zealand 9493
Scotland 1586 43234
USSR 10453* 51776*
planting date 1573* 69073* 69215* 69497*
propagation 60535* 60738*
proteins 7314 26324 11172* 60224*
Republic of South Africa 50097
seeds 1608 8749 9055 68776 89272 34522* 42490* 88358*
advertising 1814
Canada 34507*
certified 69548

Item

Grasses--Cont
seeds--cont
drying 92865*
France 88653*
Germany 41037* 77949* 84961* 85528*
Great Britain 88526
harvesting 13229 29932* 92846*
Hungary 69530*
Kenya 9492
Netherlands 94022*
reviews 88559*
Scotland 85639
situation and outlook 31509
South Dakota 9506
storage 51013
treatment 33064
USSR 69557*
vernalization 24815*
viability 51013
soilless culture 34478 68851
soils 10157 2092* 16757* 33834* 51074* 61210* 70660*
Great Britain 18254 78635
Hungary 87148*
Ireland 77936
Netherlands 51349*
Oklahoma 51757
Poland 44151
USSR 70175*
Southwestern States 50693
spraying and dusting 67713
Taiwan 33603*
taxonomy 15729 32810 50016 50054 50084 50097 50663 50784 51474 76921 140* 15811* 50774*
Uganda 71642
USSR 35430*
varieties 1815 25728 67331 69548
Argentina 9486*
Austria 43308*
California 17151
Canada 1787 77945
Czechoslovakia 88626*
Florida 1630
Great Britain 1583 17172 25416
New Zealand 34490 88667
Oregon 1777
Southern States 43573
Spain 51782*
USSR 60832*
Utah 17214
virus diseases 588 50472
vitamins 11172*
yields 10240 26221 33834* 51074*
Great Britain 18266 78635 89686
Hungary 78728*
Netherlands 34188*
North Dakota 17217 51808
Oklahoma 51757
Texas 26324
Uganda 25444
USSR 2367* 44298* 68553*
Yugoslavia 69510*
SEE ALSO Hay; names of grasses; and UNDER Silage
Grasshoppers and locusts
Africa 5566 12327*
anatomy and physiology 13053 29752 29772 38533 38548 82810 82827 82840 82841 5563* 29778* 38539* 38540* 82814* 82815*

Item

Grasshoppers and locusts--Cont
Arizona 82847
as pests 37645*
Asia 5566
control 20588 28792*
Africa 12349
associations 63728*
Australia 4377 28794
China 46321
Colorado 73073
India 92089
Latin America 12372* 15511* 37451*
policies and programs 73073 91954 91955
Republic of South Africa 4399
research 73091
statistical methods 81654*
USSR
cytology 21464 29774 38532 38553 47214 73869 82822 82829 38540*
diseases 73860 73861
ecology 73880 64709* 82828*
eggs 5574*
food and host plants 38527 82842
genetics 38553
Ghana 21450 92634
habits and behavior 13068 73867 82850 28792* 82828*
hybridization 82811
Iran 46357
migration 5566
nutrition 13052 21451 38527
nymphs 55715 73869
Oklahoma 92636
outbreaks 28755 46357 81378 81430
parasites 55715 5574* 5575* 29768* 46944* 81609*
populations 56011 92631 64709*
predators 82415 92631
rearing and breeding 29756 73867 38547*
Republic of South Africa 82813
surveys 55176 81378 91992*
SEE ALSO Acrididae
Grassland farming 31929
costs and returns 49236 32038* 76145*
Germany 73985* 76145* 76164*
Great Britain 14947*
Japan 76140*
Netherlands 40560* 40657* 49071* 94403* 94529*
New Zealand 90141
USSR 49232* 51605* 57972*
Grassland Research Institute SEE Hurley (England) Grassland Research Institute
Grasslands SEE Pastures and meadows
Grateloupia 67555 32902*
Gravel culture SEE SUBHEAD soilless culture UNDER Plants and names of plants
Graves H S 8020
Gravesiella n g 23961*
Gravimetry 2042 2109 52548 53225 93330 56663* 66227* 83363*
Gravisia 32858
Gravity
effects on insects 21001* 21472*

*Text of this reference is not in English.

Item

Gravity--Cont
effects on plants 842 1022 1283 34222 51161 24833* 88045*
Gray-Brown Podzolic soils 18171 52735 70449*
Gray-Forest soils 18003* 18345* 26019* 26144* 35191* 61449* 78304* 89508*
Gray leafspot
lupine 16425
Stenotaphrum secundatum 50307
tomatoes 50338
Gray mold
strawberries 58932 67774
Gray soils 44085
Gray Wooded soils 2216 16540 18199
Grayanotoxin 88158*
Graz Steiermärkisches Landmuseum Joanneum 32894*
Grazing 1597 1628 3328 3396 3366 3499 4083 11471 11505 11514 12097 12098 19766 20460 27295 27602 36568 37198 49384 52407 58008 61047 72010 80104 80299 90518 1571* 27261*
Alabama 62680
Australia 4082 11467 19747 25480 28448 45518 60498 62638 72933 80150 91652
California 17170 26199 51799
Canada 1587 53768
conferences and congresses 8007 25493
desert areas 2289
reviews 60553
Ethiopia 44336
fees 40703 40709
Florida 3343
Germany 60592* 72035* 80197*
East Germany 27643* 54898* 71694* 90889*
Great Britain 681 1603 17135 17147 62658
Great Plains 25475 88646
Hungary 27646* 45465* 47550*
Iceland 88638*
Ireland 89653
Jamaica 11642
Japan 1626 24515*
Kentucky 72059
Kenya 12448 90923
Louisiana 25431
Mexico 40729
Mississippi 20344
mountain areas 88581*
Mozambique 77937*
Netherlands 88588*
Nevada 1581
New Zealand 1566 1578 4095 25424 27639 28440 68579 69626
Nigeria 77956
Northern Ireland 81011
Oklahoma 19702
Pakistan 9507 17132
Pennsylvania 9489
Poland 10273* 28505* 88692*
Republic of South Africa 1624
reviews 43306
Scotland 17142 81063 85648

Item

Grazing--Cont
Southern States 17139 27619
Sweden 19751*
Texas 19712 19713 19714 60522
Uganda 79389
USSR 25473* 42123* 43252* 54224*
Utah 43236
Wyoming 1615
Yugoslavia 81006*
SEE ALSO Ranges; Strip grazing; and UNDER Forests
Gt Brit Agricultural Land Commission 85521 85522
Gt Brit Agricultural Research Council 86259
Gt Brit Agricultural Wages Board 14752
Gt Brit Colonial Development Corporation 76006
Gt Brit Colonial Off 41228
Colonial Pesticides Research Unit 15494 91959 91960
Gt Brit Committee on Further Education for Agriculture Provided by Local Education Authorities 7788 7789
Gt Brit Forest Products Research Laboratory 53595*
Gt Brit Forestry Commission 10527 44579
Alice Holt Research Station 10546*
Westonbirt Arboretum 8134
Gt Brit Hops Marketing Board 75795
Gt Brit Milk Marketing Board 36754
Gt Brit Ministry of Agriculture Fisheries and Food
Library 85375
publications 49147
Veterinary Investigation Serv 90637
Gt Brit Ministry of Labour 74441
Gt Brit National Agricultural Advisory Serv 70031 86669*
Boxworth Experimental Husbandry Farm 36370
Bridget's Experimental Husbandry Farm 3223 94384
Cleppa Park Horticulture Demonstration Station 51871
Efford Experimental Horticulture Station 51872
Great House Experimental Husbandry Farm 94385
High Mowthorpe Experimental Husbandry Farm 57923
Kirton Experimental Husbandry Farm 51873
Luddington Experimental Horticulture Station 78020
Rosemaund Experimental Husbandry Farm 94386
Stockbridge House Experimental Horticulture Station 51874 69687
Terrington Experimental Husbandry Farm 3224
Trawscoed Experimental Husbandry Farm 94387
Gt Brit National Trust SEE National Trust for Places of Historic Interest or Natural Beauty
Gt Brit National Vegetable Research Station 17594
Gt Brit Pest Infestation Research Board 37773

Item

Gt Brit Potato Marketing Board 14089
Great Lakes Cherry Producers Marketing Co-operative 39672
Great Plains Agricultural Council 14872 14924
Great Plains Conservation Program 10452 10472 53038 75995
Greeley W B 8020 8025
Green bristlegrass SEE Setaria viridis
Green gram SEE Mung beans
Green manures 1987 25477 61376 67947 72039 78696 44044* 70540* 70673* 70936*
Argentina 89780*
Australia 18300
bibliographies 2263
Brazil 10248*
Cambodia 2307 44271*
Congo 10241*
Connecticut 61346
Czechoslovakia 70662* 78671*
France 26354* 44164* 44179* 44184* 44250* 44324*
Germany 26364* 70505* 79235*
East Germany 18259* 44285*
Great Britain 2281 42058
Hungary 2535* 10331* 70551* 87810*
India 2254 10437 26322 26648 35400 35415 61348 61440 78581 78665 79030 87969
Japan 70683* 70639* 78642*
Netherlands 2353* 70604*
Poland 2280* 89636* 89649*
Republic of South Africa 2288
Rumania 10265*
Texas 10185
USSR 10247* 18329* 35289* 35397* 35407* 35408* 44159* 44280* 44281* 44282* 52571* 78595* 78661* 78747* 89668*
Yugoslavia 89733*
Green mold
citrus 31059 57059 65817
Green peach aphid SEE Myzus persicae
Green petal
strawberries 16134* 24427*
Green Plan
Austria 49151*
Germany 66552 6188* 14910* 15019* 19061* 23043* 53146* 57862* 66530* 66531* 76050* 76054* 85215* 90279*
Italy 66527 14825* 14857* 14946* 18411* 23032* 23199* 31851* 40441* 40489* 40504* 41604* 57688* 57868* 75973* 85227* 85358* 85466* 94285*
Green Report
Germany 57862* 57863* 57872* 66530* 66531* 66587* 76054*
Green ring mottle
cherries 548 68011 33383*
Prunus 33378
Green vitriol SEE Ferrous sulfate

Item

Green Week 13130*
Greenhouse culture 9550 22934 35456*
costs and returns 15105* 66745*
diseases 41849*
fertilizers 78705 26247* 89673* 89952*
field crops 16816 25046 33436 33916 69010 28788* 33299* 67809*
Finland 44255*
France 17281*
fruit 8626 77112 23353* 47580* 56308*
Netherlands 1737* 43448*
Norway 1738* 43449* 52002* 52867*
USSR 56309* 59413*
Great Britain 34579
herbs 70122*
Italy 39626*
labor 31782
mechanization 38611* 47573*
nematodes 8629 24455* 50534* 59222* 68080* 68085*
New Jersey 88304
Norway 9551* 25543*
ornamentals 1143 17451 17538 25713 34733 35394 37760 46607 69822 16643* 25746* 25747* 41613* 46610* 52041* 88096* 89015* 89109*
Australia 55523
California 52972
Denmark 69817*
Finland 43526*
Germany 83262*
Northern Ireland 43476
Norway 30911* 42626* 43527*
Rumania 67512*
Tropics 67366*
pest control 4714 37760 55521 55523 64030 64031 81831 20603* 46610* 55524*
pests 4716 12600 12601 46605 63978 81822* 81826* 82531*
soils 16816 17935 17936 26024 52800 53068 26094* 26521* 33432* 44255* 44499* 44501* 53066*
trees 79279
vegetables 982 1086 1834 1837 8814 9809 10313 41643 42916 56986 60861 77600 86912 87046 89144 89172 21721* 24333* 25838* 33155* 34941* 42041* 51283* 59022* 59902* 60084* 69124* 77467* 87839*
Alaska 1833
Belgium 1902* 17635*
Bulgaria 89127* 89156*
Czechoslovakia 25057* 43658* 69987*
Finland 78147* 89178*
France 60860* 66745*
Germany 43647*
East Germany 30077* 34891* 51880*
Great Britain 1873
Hungary 1898* 1899* 26339*
Michigan 69940
Netherlands 9832* 9862* 16614* 17615* 34871* 44363*
New Zealand 89238
Northern Ireland 1890

*Text of this reference is not in English.

Item

Greenhouse culture--Cont
vegetables--cont
Norway 9848* 30911* 41691* 43657* 52135* 52147*
Ohio 69941 93583
Rumania 69998* 69999*
USSR 15105* 24960* 25799* 25832* 38611* 42767* 52116* 59222* 60864* 60883* 60906* 60907* 60911* 60912* 68080* 68774* 69948* 69961* 89164*
weed control 9862* 60931*
Greenhouse orthezia SEE Orthezia insignis
Greenhouse whitefly SEE Trialeurodes vaporariorum
Greenhouses
air conditioning 21727 74322 74319*
California 13377
cleaning 21725*
construction 13378 21720 47574 56307
costs 56305
Finland 21728*
Germany 47583*
Iceland 21722*
Netherlands 56306* 83258*
Sweden 21724* 47578*
cooperatives 66715*
designs and specifications 13369 13373 30074*
directories 31625
equipment 5868 13368 44390 65020 70749 13374* 21726* 30071* 30077* 30078* 51880* 56308* 92988* 92990*
fumigation 81831 44501*
Germany
East Germany 30072*
Great Britain 34579
heating 5865 5869 21720 65014 74328 83257 5867* 13372* 38839* 47584* 60084* 65016* 74320*
Belgium 13375*
equipment 74329 13371* 21721* 65015* 65019* 83261*
USSR 21723* 56309*
humidity 83257 13374* 47572* 74320* 83263*
insulation 47577* 65016*
lighting 5863 8913* 83262* 83259*
maintenance and repair 5866
management 66715*
Minnesota 40237
plastic 47576 56304 65014 65017 74326 66745*
Finland 83260*
Germany
East Germany 30083*
Norway 1738* 43449* 43657* 52002* 52867*
Republic of South Africa 83264
Washington 74327
portable 1737* 43448*
temperature 9550 74322 5864* 13374* 30076* 47572* 83263* 89127*
ventilation 47576 74321 74324 74326 83264 13370* 30073* 47581* 47584* 83263*
SEE ALSO Cloches; Coldframes; Hotbeds
Gregarina 29763 38073* 82279* 92456*
Gregarina crenata 38110*
Gregarinida 5649* 73651*
Gregory F G 67232
Greigia 32858
Grenada Agricultural Dept 49754
Grenoble Centre Regional d'Etudes des Problèmes Ruraux de Montagne 66328*
Grevillea robusta 35081 53555
Grewia asiatica 34167 34168
Grewia flavescens 58805
Greyia sutherlandi 50075
Griess-Illosway reaction 65856* 84416*
Grimaldia fragrans 59257*
Gripopteryx 64728
Grisein 72986*
Griselda radicana 12987
Griselinia littoralis 50946
Griseofulvin 11902 27984 28074 53959 54388 72352 81178 11746* 19478* 87307*
Grit 3873 3883
Griveaudicoris n g 21313*
Grizin 11529*
Groats 48519 14251* 57126* 93449* 93684* 93699*
Groff G W 41298
Groningen Instituut voor Bodenvruchtbaarheid 44188*
Gronocarus 29364
Gronops inaequalis 55720*
Grootfontein College of Agriculture 80507 80966 80967 84547 84580 84591 84596 85839 85852 85897 86005
Gross margin analysis 85519
Grossklaus O 8030*
Grossularia SEE Gooseberries
Ground cherries 43450 92188*
Ground cover plants 1804 52058 60749 89010 89011 89076
Ground-effect machines SEE Air cushion vehicles
Groundnuts SEE Peanuts
Groupement de Defense contre les Maladies des Abeilles 81971*
Groupements Agricoles d'Exploitations 85565*
Growers Administrative Committee 22361
Growth factors 53802 62281 3136* 45202* 45221*
bacteria 27687
poultry 11873 20169 28210 28218 36983 54705 54716 54735 72504 72528 72563 80753 80763 80764 28196* 80742*
sheep 37243
swine 72939
turkeys 20158 20177 20178 28207
Growth substances 8994 9072 24882 68707 74436 70383* 87738* 88021*
bibliographies 9196
consumption 67741*
determination 16634 47028
effects on Antirrhinum majus 16692
effects on apples 69732 77755*
effects on asparagus 1271
effects on Avena 87717
effects on Azalea 33836 77720
effects on beans 51114
effects on broadbeans 68673
effects on cabbage 34024
effects on cauliflower 33994
Growth substances--Cont
effects on cherries 33710
effects on Chlorella 1296
effects on citrus 42863*
effects on coffee 1027
effects on corn 33911* 34099* 87606* 87637*
effects on cotton 34054
effects on cucumbers 69062
effects on Cuminum cyminum 59880
effects on currants 24904
effects on Datura stramonium 77620
effects on field crops 77615*
effects on fruit 33616 87604
effects on fungi 25077
effects on grapes 51259 68815 16639* 24976* 25058* 51316* 87884* 88180*
effects on guavas 24809 24810
effects on Hibiscus rosa-sinensis 1236
effects on Justicia gendarussa 42815
effects on lentils 60107*
effects on mangoes 1248
effects on millet 68736
effects on Nicotiana 16754
effects on Neurospora crassa 68777
effects on Onoclea sensibilis 8756
effects on Opuntia ficus-indica 51281*
effects on peaches 59816 77666
effects on pears 77606*
effects on peas 16805 16806 42512 43026 68377 87687*
effects on pineapples 87929*
effects on plant disease 16159 50300 50317 58964
effects on plants 1030 8931 8989 9202 16347 16578 16583 16600 16780 24816 25010 25160 33975 33993 34172 42531 50980 51050 51382 59348 59944 59958 59960 60008 60050 60665 68673 68835 69112 77746 77753 78080 87563 87587 87703 87744 87844 87881 88071 88141 8949* 8958* 9047* 9180* 16627* 24145* 24942* 33877* 33921* 33946* 34007* 34018* 42646* 51226* 59909* 60176* 68597* 68654* 77649* 77692* 87776*
effects on Populus 90248*
effects on potatoes 9205* 87852*
effects on clover 16559
effects on rooting 1665 8999 9176 16692 42460 68863* 79332* 87813*
effects on rye 68736
effects on seeds 1247 42833
effects on sorghum 9107
effects on soybeans 24996
effects on sugar beets 51434*
effects on tea 29108
effects on tobacco 42823
effects on tomatoes 34114 77653 24897* 25107* 42315* 42846* 42871* 59994* 69145* 77606*
Growth substances--Cont
effects on trees 90208*
reviews 71200*
effects on vegetables 24824* 77550*
effects on wheat 68673 25149*
inhibitors 987 1131 9025 9035 9074 9872 16847 17729 17821 18922 24891 24996 25261 25910 42614 42707 48470 51114 51165 51175 51306 53430 59889 68712 68821 77549 77653 82869 87744 1127* 8855* 8958* 9052* 17748* 24921* 24927* 34165* 59832* 60075* 68854* 71147*
regulation and inspection 44037 78449
reviews 60127*
synergism 34176 51065
SEE ALSO Herbicides; Hormones, plants; and names of growth substances
Grumilea 32741
Grundner-Schwappach tables 18791*
Gruzinskii Institut Subtropicheskogo Khozyaistva 94638*
Gruzinskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva i Veterinarii 19597
Gryllacrididae 73864 82849
Gryllacridoidea 13049 82834
Gryllidae SEE Crickets
Gryllodes sigillatus 29763
Grylloidea SEE Crickets
Gryllophila 56010*
Gryllotalpa 20857*
Gryllotalpa gryllotalpa 13059* 20761*
Gryllotalpa 17 chromosomica 56010*
Gryllulus mitratus 92643
Gryllus 82846 47208*
Gryllus assimilis SEE Gryllus pennsylvanicus
Gryllus bimaculatus 13056* 13067* 55991* 64704*
Gryllus campestris 73870
Gryllus commodus 5568 82824
Gryllus domesticus SEE Acheta domesticus
Gryllus pennsylvanicus 21445 29749 56007 56008 82846 20740*
Gryllus veletis 29770
Gryon 5304
Guaiacol glyceryl ether 19831* 28035* 36346* 36897* 91856*
Guaiacol glycerin ether SEE Guaiacol glyceryl ether
Guaiol 53674
Guam Dept of Agriculture 76656
Guanidine 33339 59048 77815
reviews 77675
Guandinobutyric acid 34252
Guanine 4938 8756 37924*
Guano 10508* 26651* 61670*
bibliographies 2531
Guar 43864 50337 59171
Guatemala Instituto Agropecuario Nacional 49879*
Guava paste 75174
Guavas
analysis and composition 14060 1683*
anatomy and physiology 24809 24810 42817 77670

*Text of this reference is not in English.

Item

Guavas--Cont
culture 78056 1683* 25597* 34612* 69713*
disease resistance 78045
fungus diseases 398 8419 16000
Hawaii 65692
morphology 8791
nutritive value 1683*
pests 29679 64652
propagation 9176 24810 34624
rootstocks 78045
varieties 42817 77670
Guayule 57453* 75674* 84945*
Guérin C 15562* 15575* 32531*
Guichard K M 86361*
Guide Post Annual 48307
Guignardia aesculi 8527* 50400* 77130*
Guignardia bidwellii 15982
Guinea fowl 3836 63203 63331 63208* 63311*
Guinea pigs 54686
abnormalities 36939
anatomy and physiology 81497 11853*
cytology 63199
disease resistance 45865
embryos 3810
estrus 36934 36957
feeding and nutrition 28134 28135
germ-free 28134
metabolism 3808 11846* 80697*
poisoning 11855 11860
virus diseases 3810
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, and pests
Guineagrass SEE Panicum maximum
Guinée P F W 41211*
Guinier P 76725*
Gullies 10455 18585 35556 44483
Gulumna eliminatus louisianae 82206
Gum arabic 19284
Gum tragacanth 68299* 68314* 68322* 68323* 68325* 68334* 68754* 70129*
Gumbrin 2286* 2716*
Gummosis
citrus 86838
grasses 24384*
oranges 77149*
peaches 59094
Prosopis chilensis 17840
sugarcane 50445
Gums and resins 17840 27148 33925 47633 48876 56329 65060 79579 27151* 71550*
analysis and composition 56970 45100* 57453* 75674*
chemistry 26108 36085 71543 83341 85125 93042
extraction 31049*
hydrolysis 56967*
in food processing 5934 6228 74591 84849 93047 93311 65797*
in grain 6820 65846
in hops 94114
in particle board manufacture 27170 19308* 27168* 79596*
in plants 11100 14647 17850 36087 45148 56970 61956 71416 85109 11068* 27152* 71546* 71548* 90355*

Item

Gums and resins--Cont
in plants--cont
reviews 75802*
in tanning 31319
in textile industry 6499 6570 6577 6590 30840 39545 39564 48241 48242 56873 75017 84113 30811* 39495* 39509* 48259* 75016* 84117*
in tobacco 7301
in wood 27158 62175*
insecticidal 20595 46397 73071
tests 90403
utilization 7048 36089 83505
yields 2951 18960 19292 19298 45099 61956 36096* 79286*
SEE ALSO Naval stores; Oleoresins; names of gums and resins; and SUBHEAD resin UNDER Adhesives; Ion exchange
Gundorf Forschungsstelle für Landarbeit 94389*
Gundorf Institut für Landwirtschaftliche Betriebs- und Arbeitsökonomik 94430*
Gunny 39524
Gunopaches 92559
Gur 14608 31538 31576 40185
Gurlt E F 41200*
Gusathion SEE Guthion
Güssow H T 15569 32535*
Gusuleac M 67195*
Gut edema 63198 63675 91882 20524* 28714* 63677* 81326*
causes 55132
Japan 91887
Spain 55117*
treatment 37359*
Guthion
apple pest control 55501
effects on animals 28925
effects on plants 12509
fruit pest control 4706
potato pest control 46475*
residual effectiveness 29090
residues 20834 28925 75094
Guthriella 38584
Gutierrezia dracunculoides 43811
Gutta-percha 75682 16664*
Guttiferae 76920
Guttural pouch 36916 72409
Guyer J 41214*
Guzmania 176
Gymnadenia conopea 55930
Gymnaetron antirrhini 28769
Gymnetron 29404*
Gymnetron collinum 4971
Gymnoascus reessii 59995
Gymnoconia peckiana 33644
Gymnodamaeus veriornatus 12773
Gymnogramma SEE Pityrogramma
Gymnometriocnemus 12874
Gymnopleurini 46827*
Gymnopsyra 82284
Gymnoscelis pumilata 92623*
Gymnosperma glutinosum 15802
Gymnospermae
anatomy and physiology 59661 77633* 87280*
bark 26126 36128
biochemistry 42999*
cytology 68216*
morphology 50691
pollen 77412
Taiwan 67463
taxonomy 15790

Item

Gymnosporangium 24088 77143*
Gymnosporangium clavipes 59088
Gymnosporangium haraeanum 77144*
Gymnosporangium juniperi-virginianae 33235*
Gymnotylenchus zeae 16189
Gynacantha 5624 21495 73900
Gynandromorphism
insects 4905 29304 29508 55779 73784 92481 38325*
Gynura 58586*
Gypsophila imbricata 16371*
Gypsophila paniculata 24928*
Gypsophila tenuifolia 16371*
Gypsum 10437* 78308*
bibliographies 2025
in soil improvement 26301 52938 78636 52787*
in soils 70309* 78469*
Gypsy moth SEE Porthetria dispar
Gyrinidae 4991 73741 21109* 21114* 29389*
Gyrinus 29389*
Gyrodon merulioides 1179
Gyrodontinae n sfam 92542*
Gyropaigne 24058*
Gyrophora esculenta 714*

Habenaria 8215
Habenaria blephariglottis 8215
Habranthus 1134
Habritys brevicornis 64533
Habrobracon SEE Bracon
Habrocryptoides 38417
Habrodesmus 38041
Habrolepis 29582
Habronemiasis SEE Summer sores
Habrophora 82215*
Hackett L W 86177 94890
Hadena 47137*
Hadena compta 5382
Hadena sordida 55919* 73718*
Hadeninae 47199 92620
Hadrobregmus 82271
Hadroclavelia n g 82602
Hadrophanurus karnalensis 29581
Haem SEE Hematin
Haemagogus 5084*
Haemanthus 86495 42184*
Haemanthus katharinae 42177
Haemaphysalis 64313*
Haemaphysalis aponommoides 73561
Haemaphysalis cornupunctata 73560
Haemaphysalis japonica douglasi 12427* 63867*
Haemaphysalis kashmirensis 73560
Haemaphysalis leporispalustris 20621
Haemaphysalis mjobergi 4928
Haemaphysalis nepalensis 73561
Haemaphysalis neumanni 12428* 37558*
Haemaphysalis sewelli 73560
Haemaphysalis sundrai 73560
Haemaphysalis warburtoni 92329*
Haemaria SEE Goodyera
Haematobia irritans 21178 55263 64421 82370 92003
control 4476 12387 12423 28911 46380 55359 73118 92023
Haematococcus pluvialis 33910

Item

Haematopinus eurysternus 55334
Haematopinus longus 92659
Haematopinus suis 4508 46395*
Haematopota 73702*
Haematopota insidiatrix 21163
Haematopota saegeri 82396*
Haematoxylin 23905
Haemobartonella 3647
Haemodoraceae 50823
Haemogamasidae 92325 55667*
Haemogamasus 55667* 73545*
Haemolaelaps 38019 64274 21050*
Haemolaelaps aegyptius 4921
Haemolaelaps glasgowi 81552*
Haemolaelaps travisi 64280
Haemonchosis SEE Stomach worms
Haemonchus 63487 3503* 27829*
Haemonchus contortus 11235 28491 28501 63457 81122 91711 54915*
Haemophilus SEE Hemophilus
Haemoproteus 63331
Haemosporidia 45260* 54291* 62822* 63445* 63824* 63848*
Hagemann's organ 5253
Hagerup O 15570 86213 32553*
Hague Landbouw Economisch Instituut 40258 85154*
Hail
control 58453* 77079* 86249*
effects on plants 58900 8377* 24126* 25664*
Germany 65253*
measurement 76781*
plant protection 24117* 33096*
Poland 56515*
Hail insurance 40343 40345 57721 66432 66433 23049*
Hair
analysis and composition 21797 62482*
cattle 3506 36407 54395
goats 39548 48178
insects 5170 57273*
mice 20101 20113
minks 11808 36859 63104
rabbits 20316 65600 75019 39493* 39494* 46084*
sheep 4058 20335 37183 80985 63427* 63441* 91707*
swine 39930* 73042* 84723*
Hair balls 37262* 54924*
Hairgrass SEE Deschampsia
Hairy chinch bug SEE Blissus leucopterus hirtus
Hairy vetch
anatomy and physiology 68890 63772*
culture 34516* 88613* 88697*
cytology 68344*
pollination 63772*
taxonomy 32863*
yields 59910
Hakansson A 94907*
Hakea multilineata 35328
Hakea rugosa 15696
Hakkaido Forest Products Research Institute 90365
Halacaridae 21074 55695
Halacarus bisulcus 29326*
Halarachnidae 21069 21048*
Halecia 46880*
Hales S 58395
Halesia carolina 78252
Halesus radiatus 5612
Halictidae 5328 12953 55893 82592

*Text of this reference is not in English.

Item

Halictinae 29578* 47065*
Halictophagus zanzibarae 92648
Halictus 82583*
Halictus aerarius 5320
Halictus duplex 82640
Halictus malachurus 5315*
Halictus marginatus 5315*
Halides 24841
Halimeda tuna 641
Haliplidae 21109* 92405*
Hallands Lans Hushallnings-sallskap 32245*
Halldorsson G 86167*
Halle Universitat Landwirtschaftliches Institut 94945*
Hallocinetus n g 92566*
Hallodapus montandoni 5244
Halloria n g 32895
Halloysite 52491
Halo blight
oats 16102
Haloanisone 72731 91432
Halobates 5228
Halogen compounds 12420 57060
Halogeton 25956
Halogeton glomeratus 89310
Halophila ovata 77409
Halophytes 16264*
anatomy and physiology 16766
Arctic Region 16270*
ecology 68179*
Hungary 87149*
Japan 68197
Poland 87233*
Tunisia 50616*
Halosphaera viridis 803
Halothane SEE 2-Bromo-2-chloro-1,1,1-trifluoroethane
Halothrips n g 5639* 92649*
Halotydeus destructor 20790 92076 92101
Haloxylon 17713 91660*
Halpe scissa 47138
Halphen test 7027
Halpin J G 15532
Haltica (Coleoptera) SEE Altica
Halticidae (Coleoptera) SEE Chrysomelidae
Halticinae (Coleoptera) SEE Alticinae
Halymenia 67556
Halysidota 55959
Ham
analysis and composition 6901
bacteria 6947 48719 22577*
canned 14355 84706 6899* 31245* 48637*
canning 84730*
consumer preferences 48645 84645*
cured 6958 22615 48688 75459
curing 6999 22641 48638 66078 93868 22577*
reviews 14380
flavor and odor 6958 14399 75481
irradiated 14355
irradiation 14418
labeling 57267
moisture 22615 75449
packing 66050*
processing 48719 75459 75481 48699*
quality 22615
regulation and inspection 57267 75449
tests 66078
waste 66088*
Hamamelidaceae 1386 25197* 42999*
Hamburg Grossmarkt 93069*
Hamburg Staatsinstitut fur Angewandte Botanik 86321*
Hamburg Zoologisches Staats-institut und Zoologisches Museum 82184*
Hamilton (Ontario) Royal Botanical Gardens 25 26
Hammatoidea 223*
Hammond Sir J 90801 94887
Hamsters
as pests 41634*
care 28161
estrus 36940 36943
habits and behavior 80684
ovulation 36943
pregnancy 63197
viability 45860*
virus diseases 3805
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, and pests
Handbook of Basic Economic Statistics 31824
Handianus 38289* 46996*
Handicapped 23819
Hanger F 23787
Hannah Dairy Research Institute 74865
Hannemania hegeneri 12404
Hansen C A 49831*
Hansenula wingei 16532
Hapalosiphon laminosus 33965
Haplanthus tentaculatus 59550
Haplocookia 64314*
Haploembia solieri 5648* 5649*
Haplogeronia n g 82247
Haploidy SEE Polyploidy
Haplomyza 5116 21237
Haplopappus 42368 76952
Haplophleba 12863
Haplosphaerion n g 5014
Haplosporella 8297
Haplothrips 5637 47227 92666* 92669*
Haplothrips aculeatus 92671*
Haplothrips tritici 13092*
Haplothrips zhigaevi 64723*
Harbinger medic 51742
Hardboard SEE Fiberboard
Harding grass SEE Phalaris tuberosa stenoptera
Hardwood Plywood Institute 19243
Hardwoods 2795 10981 35877 62107 90408
age 26767 61951*
anatomy and physiology 19063 81866
associations 18644 53124 62109
Australia 10919
Belgium 36132*
breeding
reviews 61922
chemical products 62169* 62170*
chemistry 27145*
clear cutting 2747
conferences and congresses 62110
control 10693 35774 53315 90159 61840*
chemical 18894 35281 90165
equipment 18886
Netherlands 35762*
New Hampshire 35769
Southern States 10696 53344
Tennessee 18904
USSR 61877 18892* 26844*
Eastern States 18898
equipment 18909
Japan 53358*
Hardwoods--Cont
control--cont
Missouri 53407
Ozark Mountains 35891
Southern States 44764 44774 53313
Texas 43702
coppice 35774 35793 35800
cutting systems 35748
decay 2864 71447
defects 10693
directories 35996
diseases 15911 17221 15926*
durability 2862*
ecology 77329 77342 24506* 71121*
extractives 2993 45090*
fertilizers 18940
fungus diseases 41829
grading and standardization 53601
growth 2659 18778 35725 18963* 71065*
hardness 61979
history 61695*
identification 11096
Indiana 44796
industry 79495
injuries 19049 61983*
litter 70204 38009*
management 62009
Adirondack Mountains 26739
California 44737
Germany 90108*
Great Britain 61950
New York 53195 53206 53274
Southern States 53149 53196 53271 53286
Tennessee 53205
Tennessee Basin 53203
USSR 61821* 79335*
Yugoslavia 79215* 79221*
marketing 19201 35988 45009 53596 71469
measurement 26767 26799* 44698* 71065*
Michigan 10654
Mississippi 35725
New Hampshire 2773 26818
Norway 71480*
pest control 17221
pests 21278 29145 73800 81866 29158*
planting 35784 53373 61905*
prices 45009
processing 2824* 19312*
propagation 71218*
properties 62240 19340*
pulpwood 2968 11027 36042 45114 53640 53643 79566 53647* 71565* 71590*
France 90383*
Japan 45079* 71533* 79569*
Latvia 11028*
Poland 36067*
Rumania 45056* 79538*
regulation and inspection 71464
seasoning 11010 27042 71413
seedlings 18940 35784 53373 10787*
seeds 53381
situation and outlook 53196 53596 79497
soils 16239 61979
Appalachian Mountains 10656
France 44719*
Gulf States 43890
Missouri 70204
Hardwoods--Cont
Southeastern States 35657
Southern States 19202 53175
spraying and dusting 53313
statistics 10894 45070
Switzerland 71461*
Tennessee 35725 53591
trade 62010 44917*
transportation 19204 10809*
Tropics 71564*
underplanting 10794 18952
USSR 35659*
West Virginia 10797
Hardy J 63700
Harelip 91022*
Hares 46082* 73185*
Harling G 24037
Harminathous nakanei 92397*
Harmodia compta 46608*
Harmolita 5282
Harness 56110 83033 29899*
Harpagobroma n g 82382
Harpalidae SEE Carabidae
Harpalinae 38132 63971 82247
Harpalus 38107* 46841*
Harpalus neglectus 21148*
Harper H J 67222
Harpethrix 38041
Harrisina brillians 46541
Harrison R G 58419
Harrizia n g 82594*
Harrows 64837* 64839* 64843* 74031* 92776*
Harsaker B 49829*
Hart-Becking method 2668* 2686*
Hartmann F 23803*
Hartong method 39859*
Harvesting
costs 94524 94479*
equipment 21614* 74123*
costs 74135* 83108*
Germany 13226* 38698*
East Germany 56171*
history 92805*
Japan 74100*
mountain areas 74125*
operation 5749 13247* 74126*
parts 74134 29931* 47409* 56178* 64881* 92833*
tests 92860*
types 5760 29943*
USSR 5769* 74107* 75961* 83095* 94479*
labor 7426* 14744* 40391* 40403*
Bulgaria 66463*
California 31766
Denmark 7426*
Germany 14798 14744* 49076* 94224*
East Germany 14795* 23087* 23109* 23112*
Norway 75913*
Pennsylvania 40380
USSR 75961*
SEE ALSO UNDER specific subjects
Harvestmen SEE Phalangida
Harvestore 13226* 13384* 47439* 64771* 83148*
Hasora alexis 29727
Hasselquist Iter Palaestinum 73773
Hasseltia 32722
Hatch Act of 1887 15596
Hatchia n g 82271
Hattoria n g 76996
Hattoriella 67539
Hauchecorne test 66127*
Hauer F von 8039*
Haukebo S 58436*
Hawaii Dept of Agriculture and Conservation 32495
Hawaiian Academy of Science 41102

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Item

Hawaiian Entomological Society 4313
Hawaiian Sugar Planters' Association 25515 34555
Hawaiian Sugar Technologists 7271 7263 48916 75748
Haworthia 58625
Haworthia janseana 32747
Haworthia reinwardti 94
Haworthia reinwardti riebeekensis 32747
Haworthia reinwardti valida 67421
Hawthorn SEE Crataegus
Hay
analysis and composition 39426 81048 633* 13445* 30713* 45181* 45233* 62317* 68620* 71668* 80284* 83961* 83967* 83979* 93459*
baling 19695 74094 56160* 83954*
Canada 60568
care and handling 64813 21643*
contamination 4621 44064 80184 53781*
costs and returns 74908
damage 13282 27686
digestibility 1594 54226 62659 80099 80218 45233* 45593* 90558*
directories 30698 65571
drying 5793 13282 38842 74147 83146 5791* 38721* 64901* 74142* 74160* 83982*
costs 13267 13283 13266*
equipment 21637 29970 47444 56201 56204 83141 56194* 64899* 74143* 74149* 74151* 74157*
Colorado 47391
costs 56209
Germany 74141* 74159* 92893*
East Germany 83137* 83144* 92886*
Hungary 56207* 74166* 83129* 83150*
Netherlands 29971 13286*
Norway 5781* 56195*
Ohio 74102
parts 56203*
Sweden 13264* 13265*
Switzerland 74150*
Tennessee 13275
France 29962*
Germany 71703* 74145*
East Germany 83140* 83143* 92870*
Hungary 21649* 29967* 74165* 83151* 92899*
labor 66446*
losses 13286* 47436*
Mozambique 77937*
Netherlands 29966* 74167* 92904*
New Zealand 74153
Northern Ireland 83128
Scotland 92898
structures 65025
Sweden 11207*
feed 19762 27254 29886 45511 46117 19407* 91655*
grading and standardization 22133 48152* 65576*
harvesting 46117
equipment 29942 38696 74097 13233*
Colorado 47391
Germany 83096*

Item

Hay--Cont
harvesting--cont
equipment--cont
Germany--cont
East Germany 83121* 92855*
Hungary 74104*
mountain areas 47394* 74129*
Ohio 74102
parts 92849*
Sweden 92817*
USSR 5768* 47421*
Germany 88705* 88711*
labor 49076* 74104*
Missouri 43216
Ohio 88669
Sweden 77941* 88608*
USSR 42122* 43252*
labor
reviews 85289*
loading equipment 13156* 21563* 73980*
losses 83128
marketing 6444 65568
microorganisms 27686
moisture 13282 71655 74891 5791*
molds 246
Norway 27292*
nutritive value 3357 3361 3363 10240 11536 19695 19750 27593 27678 36165 54212 72033 83956 11539* 27244* 28436* 45191* 45231* 62317* 71682* 72803* 88554*
prices 74908
processing 3333 3359 3363 11470 11536 21641 45217 53806 64903 30737* 45191* 62317* 62318*
equipment 21640 56192 56193 13207* 13281* 64911* 74137*
Germany
East Germany 92856*
Great Britain 56206 64907 64909 74139
Hungary 56207*
Northern Ireland 38715
reviews 64915*
USSR 74140*
proteins 72803 93451*
purchasing 22133
quality 27254 11164* 30713* 42099* 74165* 78604* 83961*
Czechoslovakia 93459*
Germany 83967* 88705*
Poland 90558*
reviews 3041
Sweden 36886* 79665*
Tennessee 13275
Yugoslavia 69510*
sampling 93444*
South Carolina 1508
spontaneous combustion 74891
stacking 13396 29970 30088 5768* 74340* 74345*
statistics 6434— 6436 56527
storage 39436
Germany 83960*
Netherlands 48130* 83954*
structures 65025 38845* 48130*
temperature 74891 74935*
ventilation 13892* 30695* 83960*

Item

Hay--Cont
Sweden 80123* 90533*
tests 19750 83956 93444*
transportation 22138
reviews 85289*
vitamins 74935*
yields 6434— 6436 44347 42122* 78324*
SEE ALSO UNDER names of forage plants
Hay meal 11172* 28600* 28629* 63597* 74140*
Hay wafers 19695 21640 21642 56192 56193 56206 64903 80165 83134 92895 30737* 64911* 74137* 74907*
reviews 71660*
Haynaldia 8851* 68492*
Hazelnut (shrub) SEE Corylus avellana
Hazelnuts SEE Filberts
Hazslinszky F 94877*
HCH SEE BHC
HCN SEE Hydrocyanic acid
Head 27443
arthropods 55668*
cattle 45454 72138*
dogs 20005
insects 5133 21197 21477 29521 38192 47026 47252 55852 64357 64415 82077 82417 82498 82898 92373 92427 92511 92586 12980* 29788* 38258* 46839* 56046* 82778* 92354*
Head H W 38520
Health 40843 32190*
Alaska 86063
Appalachian Mountains 94665
Brazil 58143*
conferences and congresses 49489 49496
Germany 15285* 31765* 37380*
East Germany 66924* 66935* 66957* 66959*
Iraq 40814
Italy 4522* 7796*
mental 7841 66476*
Missouri 58154
mountain areas 15193* 23494* 23495*
policies and programs
China 66956*
Germany
East Germany 66897* 66934* 66938* 66940* 66955*
India 32149
Italy 49495*
Pacific area 32510
Poland 66919*
public 15424 28926 32158 32232 48341 56433 93088 30598* 56359*
Africa 81600
Brazil 23509*
Kenya 4537
Netherlands 65165*
Pacific Northwest 15257
Switzerland 19052*
services 7780 32420 76402 66907*
Appalachian Mountains 49465 94665 94665
California 7749
Connecticut 15219
costs 32184
France 85846*
Mississippi 85903
Portuguese Guinea 66945*
West Virginia 32206
study and teaching 40852 58181

Item

Health--Cont
surveys 32232
USSR 76603*
SEE ALSO Dietetics; Human diseases; Immunization; Physicians; Soils, plant-animal relations; UNDER Children; Indians; Youth; SUBHEAD public health aspects UNDER Veterinary medicine; and SUBHEADS UNDER Human nutrition
Health insurance 31737 31738
Austria 14736* 49051*
Germany 36348*
Italy 23050*
Mississippi 85255
Heart 3162 79770 19611* 54023* 90758*
cattle 27854 45585*
diseases 62764 27793* 36576* 36695* 45641* 54322* 55273* 62895* 80462* 91001*
diseases 36226* 54023* 62371*
dogs 91205 91206 80576*
diseases 3691 19987 27995 28064 36833 54518 63025 72353 91226 72303*
horses 63143 91315 45840*
insects 29415 38554 82233 38539*
poultry 37046* 54830* 81993*
sheep 54951* 72864*
swine 55105* 63633* 91869*
Heart block 28454* 54624*
Heart failure 53834 72349 20512* 72339*
Heart rate 19581
buffaloes 19890
cattle 62569 62589 62879 71751*
dogs 27994
goats 4127
horses 36915 71751*
insects 4991 5572 13054 92426 56645*
pigeons 20192
poultry 20192
sheep 81065 71751*
spiders 82176
Heart rot
hardwoods 2864
Heartwater 20402 37263 63449 63509
Heartworms
cats 4539 27991
dogs 3679 3709 36799 63063 80550 80557 91259 28016*
control 3663
immunization 28005*
treatment 20013 36811 80548 80577
laboratory animals 3806
Heat
effects on Acarina 21062
effects on adhesives 45038
effects on agricultural products 83336*
effects on alfalfa 16773
effects on animals 62511 79837 27356*
effects on Antheraea pernyi 82063*
effects on Apis mellifera 55607* 92271*
effects on Aristida karelini 42457*
effects on bacteria 3533 13872 22024 22091 42700 74399 83330 83343 7016*
effects on beans 68842*

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Item

Heat--Cont
effects on blood 54009*
effects on Bombyx mori 64220*
effects on Campanula persicifolia 34044* 68842*
effects on casein 47908 83814 13764* 83362*
effects on cattle 3330 19848 27781 36551 45547 54247 54465 62569 62589 71897 80397 74298*
effects on chick embryos 3905
effects on Chlorella 1245*
effects on citrus 42890 77044
effects on coffee 41620*
effects on Coleoptera 29135*
effects on corn 9101* 25052* 42527* 42763* 68937*
effects on cottonseed meal 84779*
effects on dairy products 39275*
effects on Diptera 29439 73707*
effects on eggs 93945
effects on enzymes 75227
effects on Euglena gracilis 42703*
effects on fats and oils 22655 66122 75598 84795 7102* 48736*
effects on feed 13908
effects on fiberboard 90442*
effects on fibers 48174 56917 84004*
effects on fruit juices 75089* 84223*
effects on grain 34103 75357* 84514* 87724*
effects on guinea pigs 63186 11853*
effects on Hevea 86708
effects on lactoglobulin 39365*
effects on Lepidoptera 21416 64672 73822*
effects on Lolium temulentum 1192
effects on meat 14405 75396* 84612*
effects on microorganisms 21872
effects on milk 6239 6240 6364 13718 65408 65413 72061 93321 30522* 39362* 56635*
reviews 65414
effects on molasses 66251*
effects on pears 73289
effects on peas 42636 34301*
effects on Phycomyces blakesleeanus 25088*
effects on Phyllospadix 59861*
effects on pine cones 2729
effects on Pinus taeda 2755
effects on plant disease 553 16162 33380 42008 50493 50523 68036 87064 87007*
effects on Plantago lanceolata 68623
effects on plants 1306 8988 9212 16783 33137 60101 68618 1071* 33936* 42689* 68685* 88002*
effects on Poa pratensis 60013
effects on potatoes 87957
effects on poultry 3998 37086 72551 72724
effects on proteins 13717 57294 74719 79702* 83779* 93293*

Item

Heat--Cont
effects on pumpkins 34301*
effects on rats 63200
effects on rubber 48972*
effects on rye flour 93685*
effects on sainfoin 87515*
effects on seeds 1132 51013 9058* 34208* 42687* 50461* 50982* 50983*
effects on sheep 4099 12099 20363 46107 81140 46143*
effects on soils 61640*
effects on Spermatophyta 25000*
effects on subterranean clover 77667
effects on sugar beets 68611*
effects on sunflowers 68550*
effects on swine 12312 73049
effects on tomatoes 60084*
effects on Tradescantia fluminensis 34044*
effects on vaccines 11775 62886
effects on vegetables 57048* 69124*
effects on viruses 36220 87020 81339*
effects on wheat 9101* 25052* 42763* 68937*
effects on wood 11095 11102 19353 27063 27189 35955 53564 71583 44977* 45152* 62242* 79621*
effects on Zostera 59861*
in berry processing 93635*
in cheese manufacture 39362*
in fats and oils analysis 31401*
in feed processing 4202 11333
in fiber processing 48264 30836*
in food processing 6035 6702 21872 47798 57311 65232 65234 74516 65246* 66066* 75205*
in fruit juice processing 75239*
in fruit processing 93635*
in hides and skins processing 40019*
in meat processing 7020 22755* 84729* 93870*
in milk processing 48073 30670* 39380*
in pulp and paper processing 53658
in rice processing 39798
in tanning 14411*
in vegetable processing 65788
in wine manufacture 30368*
in wood processing 11019* 62179* 71494*
Heat units 34919 42636 69904*
Heath SEE Moors
Heath (plant) SEE Erica
Heather SEE Calluna
Heating 13375* 13412*
SEE ALSO kinds of heating and UNDER specific subjects
Heaves 63166*
Heavy water 43942 50954 59917 70343
Hebeloma crustuliniforme 67630*
Hecalus 55855
Hecatonema 213
Hecht W 8051
Hechtia 8250

Item

Hecyrofrea n g 82225*
Hedera 17458 46606 17852*
Hedera canariensis 16610
Hedera helix 24902*
Hedges 17459 89023 17445* 34795* 35892*
Hedging 39505 47700 75288
SEE ALSO Futures trading
Hedyotis 134 15753*
Hedysarum 41349*
Heidema A W 49796*
Heikertingerella 82215*
Heilipus lauri 81778*
Hejgarrd G L 82703
Helcostizus 38417
Heleidae SEE Ceratopogonidae
Helenieae 8779
Helenium amarum SEE Helenium tenuifolium
Helenium tenuifolium 8909 13767 43811
Heleocharis 32834*
Helferich C 40864*
Heliaeschna 21500 82897
Helianthus 137 50043 67447
Helianthus annuus SEE Sunflowers
Helianthus decapetalus 50080
Helianthus deserticolus 32773
Helianthus hirsutus 50080
Helianthus multiflorus SEE Helianthus decapetalus
Helianthus strumosus 50080
Helianthus tuberosus SEE Jerusalem artichokes
Helichrysum 58586*
Helichrysum arenarium 86363*
Helicobasidin 34197
Helicobasidium mompa 34197
Helicobasidium purpureum 58985
Helicodendron 15854
Heliconia 55478
Heliconiinae 21354
Heliconius luciana 92599*
Helicopters SEE Aircraft
Helicostylum 8307
Helicteres isora 87898
Helictotrichon 87283
Helina annosa 73703
Helina pulchella 5053
Heliogomphus 5624
Helionidia 38289*
Helionidia (Tamaricella) 47052*
Heliophanus auratus 73551
Heliophanus dampfi 64298*
Heliopsis 9764*
Heliothelini 47130*
Heliothelopsis n g 29702
Heliothis 29687 29688
Heliothis armigera 55460 92066 20713* 20714* 20756* 46466* 63914* 63915*
control 4650 29003*
Great Britain 5375
outbreaks 20783*
Heliothis armigera (in New World) SEE Heliothis zea
Heliothis obsoleta SEE Heliothis zea
Heliothis peltigera 46489*
Heliothis phloxiphaga 47150
Heliothis punctigera 92066
Heliothis scutosa 29682*
Heliothis virescens 21387 28959 55374 55454 81627
Heliothis zea
collections 28981
control 4660 4664 4666 20711 28983 92129
biological 73250
Florida 63907
tests 12446 20742 28978 46430 46452
Texas 81627
eggs 5364
habits and behavior 82765
larvae 28978

Item

Heliothis zea--Cont
Mexico 92058*
nutrition 47201
populations 4612 81617
rearing and breeding 12446 47201
Heliothrips haemorrhoidalis 46569
Heliotropism SEE Phototropism
Heliotropium 16306
Heliotropium arborescens 25193*
Heliotropium curassavicum 42205
Heliotropium europaeum 37241
Heliotropium indicum 34295
Heliotropium ophioglossum 50688
Helipterum 960
Helle meieri 47884*
Helleborus 41428*
Helleborus niger 9712
Helleborus purpurascens 58693*
Hellenia n g 82791*
Hellenia culminella 82791*
Helleniinae n sfam 82791*
Helminthiasis SEE Verminosis
Helminthology 71784* 79903*
Helminthosporium 451 58775 33168* 49937* 86907*
anatomy and physiology 1168 60100
corn 41838*
genetics 8500
India 77164
rice 41853
wheat 77147 24319*
Helminthosporium carbonum 50317 67901
Helminthosporium giganteum 67869
Helminthosporium gramineum 86784*
Helminthosporium incurvatum 33019*
Helminthosporium maydis 50370 67901
Helminthosporium oryzae 379 24200 41931 51214 59042 77151 86864 58920*
Helminthosporium sacchari 50367
Helminthosporium sativum 430 16075 16488 33203 42329 51667 59092 67879 67925 67765*
Helminthosporium sorokinianum 33319 52844 59006
Helminthosporium stenospilum 50366 77105*
Helminthosporium teres 33287
Helminthosporium turcicum 24251 67901 77122 86924 24293* 50408* 77114* 86878*
Helminthosporium vagans 446 16077 67879
Helminthosporium victoriae 59007
Helminthostachys zeylanica 16362
Helodidae 12847* 38094*
Helopeltis antonii 81791
Helophorus aquaticus 5225
Helopinae 73609*
Helorus 92558*
Helotiales 41580
Helotium 32958
Helvella aterrima 67657*
Helvellella gabretae 293* 24097*
Helwingia 67341*
Helwingia populifolia 67508
Helxine soleiroli 25125*
Hemagglutination SEE Agglutination

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Item

Hemagglutination-inhibition test 28345* 37054* 54789*
Hemangioendothelioma 63069
Hemangioma 3656 54548
Hematin 69036 88163
Hematoma 28040 28044 45759 54520
Hematoxylin 3973 8789
Hematuria SEE Hemoglobinuria
Heme compounds 6909
Hemerocallis
  bibliographies 17490
Hemerophila abruptaria 5390
Hemerotrecha 82177
Hemibeleses 64554
Hemicellulose
  analysis and composition 2985 19320 36118*
  hydrolyzates 1365 36055
  in bagasse 22825
  in feed 62749 71724 83965
  in fibers 39498
  in grain 3073 84438
  in jute 65608
  in oilseeds 84845
  in plants 45105 48125 51524
  in wood 36122 45124 11107* 19325* 71590* 79559* 84117* 90455*
  properties 79606
Hemicycliophora paradoxa 50542*
Hemihalictus lustrans 12953
Hemihoplis 47084
Hemilaelaps 73556*
Hemileia 16044
Hemileia vastatrix 8516 52358 58934 58941 58942 60240 86873 86909 71169* 77154*
Hemilepistus 73585*
Hemileucidae 5342*
Hemimerus vosseleri 63827
Hemimycena 41542
Hemiodoecus 73755
Hemipeplidae 29369
Hemipeplus 29369
Hemipepsis 47122* 82653*
Hemipepsis flava 47123*
Hemipepsis indiana 47123*
Hemipepsis speculifer 47122*
Hemipimpla megaloura 38389*
Hemiptera
  Africa 64520*
  anatomy and physiology 5227 5248 5266 29521 29530 82532 29519* 29550* 29568* 64517* 92529*
  and plant disease 55416 81709 46502*
  Argentina 29516* 82502*
  as pests 55518 59804*
  as predators 4329* 63782*
  Australia 5222
  British Cameroons 47006
  California 5212
  Canary Islands 47022*
  Caucasus 48994*
  Chad 64528* 82567*
  Chile 46999
  collections 64496 47002*
  control 37660*
  cytology 5229 47021*
  Eastern Hemisphere 5221
  ecology 47048* 64509* 64515*
  eggs 21283 92498 12943* 12944*
  food and host plants 92524*
  genetics 5216
  geographic distribution 12946 37965
  Ghana 12941
  Great Britain 12933 38331 64498
  habits and behavior 92495

Item

Hemiptera--Cont
  identification 5258
  Iran 47004*
  Israel 82538
  Japan 29536 29567 47003 47047 82562 82563
  Malagasy Republic 21313* 29570* 64526*
  Mediterranean area 47058*
  Mexico 73745 82535
  Micronesia 64499
  Missouri 38294
  Nearctic Region 5232
  Neotropical Region 64479*
  Netherlands 21304* 55857*
  New Guinea 5215 38339
  nomenclature 12945 21284 21306–21308 21310 47119 55862 55863 64522 82554
  North America 5213
  North Carolina 82574
  nutrition 29531
  nymphs 5259 55243
  Palearctic Region 29561 38315
  parasites 12905 47049
  Peru 64480*
  populations 64509*
  rearing and breeding 73766
  Republic of South Africa 5226 82517
  Scotland 38357 64502
  Southeast Asia 55855
  Sudan 21312*
  Sweden 38298* 38330*
  taxonomy 5218 5228 5239 5263 12939 21299 29543 55849 55851 55854 55860 55861 64510 73757 92514 92516 12929* 29520* 38352* 38353* 64520* 73737* 73753*
  Thailand 64507
  Turkey 38300
  types 21294 21305 47037
  USSR 12930* 38289* 47019* 92500* 92528*
  United Arab Republic 82551
  Western Hemisphere 82536
Hemipyxis 12834
Hemisius 5304
Hemisphragia 38417
Hemistizocera n g 5014
Hemistola 38490*
Hemitarsonemus laticeps SEE Steneotarsonemus laticeps
Hemitarsonemus latus 4643 29025 29026 28970*
Hemiteles fulvipes SEE Hemiteles nanus
Hemiteles nanus 64580
Hemitrichoscarta n g 82534*
Hemitropis 38289*
Hemlock SEE Tsuga
Hemoglobin 3413* 6951* 45263* 45361*
  cattle 80350 45700* 54269*
  insects 21174 38217*
  poultry 45949*
  sheep 4126 12119 81040 81044 81073 54923* 81127*
  swine 81254 12260* 28636* 46250* 81308*
Hemoglobinemia 11595* 80278*
Hemoglobinuria
  cattle 3459* 11570* 11695* 27744* 54376* 72145* 72146* 72241* 80284* 80285* 80401*
  horses SEE Azoturia
Hemograms 54588 62891*
Hemolymph SEE Blood, insects
Hemolysin 79905 19488* 27399* 36228*

Item

Hemolysis 36253 63675 72991 71957*
Hemolytic disease 63146 3780* 63167*
Hemophilus 37075
  reviews 19442
Hemophilus gallinarum 20271 45946 72664
Hemoproteins 25254
Hemorrhage
  cats 20025 36795*
  cattle 80427 3560* 19844*
  dogs 11790 45744
  horses 80644*
  minks 36860
  poultry 3960 20201 28322 45951 28285* 72610* 80875*
  rabbits 80949*
Hemorrhagic septicemia
  cattle SEE Shipping fever
  swine SEE Pasteurellosis, swine
Hemosiderosis 54622*
Hemospermia 90830*
Hemp
  analysis and composition 48250* 74995*
  anatomy and physiology 8862 16728 51383 9183* 24805* 34234* 86958*
  breeding
    Germany 43176*
    Italy 60482*
    Rumania 9414*
    Sweden 1536*
    USSR 34458* 69480*
  culture 43207* 69485* 88481*
  cytology 50700
  diseases 50173*
  farms 14729* 65618*
  fertilizers 18299* 78579*
  fungus diseases 24235*
  genetics 68429*
  harvesting date 69469*
  injuries 28975*
  Italy 31870*
  morphology 8751 33718* 59592*
  pest control 63961*
  pest resistance 81734*
  pests 12527* 50173*
  planting 88488*
  policies and programs 94447*
  pollen 8751
  processing 6550* 48164* 75010* 93488*
  quality 18299* 48213*
  seeds 1534* 20862* 24235* 34458* 88488*
  soils 88481*
  statistics 65618*
  tests 39568*
  varieties 43176* 68429* 69460* 78579*
  weed control 89258*
  yields 1534* 18299*
Hendecacentrus 21314* 29570*
Hendecaneura shawiana 29723
Hendelia (Aristohendelia) n sgen 46931*
Hendelia (Burmanochorea) n sgen 46931*
Hendelia (Prohendelia) n sgen 46931*
Hendersonia 245* 8300* 58780* 58781* 86550*
Hendersonia rubi 86886*
Hendriksen K 49823*
Henequen 30827*
Henestaris 47022*
Henicocephalidae 21312*
Henicopidae 64309*
Henna SEE Lawsonia inermis
Henneberg O H 8047* 8062*
Henoticoides n g 82271
Henria psalliotae 21250

Item

Henry Doubleday Research Association 9557
Henry Francis du Pont Winterthur Museum 32684 32759
Hepaticae 24053 32885*
  Cape Verde Islands 58743
  cytology 771*
  Czechoslovakia 24054*
  enzymes 69263
  France 32886*
  Japan 15828 32880 76995
  Korea 76994
  New Zealand 76990
  Poland 32896*
  Republic of South Africa 86528
  Taiwan 32900
  taxonomy 8270 67549 67550
  Utah 15827
Hepatitis 20361 62887 63147 81109*
  SEE ALSO Canine infectious hepatitis; Virus hepatitis
Hepatoma 36801
Hepatozoon balfouri 4921
Hepatozoon canis 63015
Hephaestioides n g 21160*
Hepialidae 29740* 38518*
Hepialus lupulinus 37453 29681* 82744*
Hepragenia longicauda 21490*
Heptachlor
  alfalfa pest control 20718 29041
  analysis and composition 91975
  ant control 29010
  application 81671
  corn pest control 63972*
  determination 46358
  effects on soils 20753*
  field crops pest control 20753*
  fly control 81493
  forage plant pest control 4601
  formulations 73066*
  in milk 44064
  in plants 73083*
  in red clover 12461
  in vegetables 28963
  oat pest control 63926
  physiological action 12353*
  potato pest control 63936*
  residual effectiveness 29010
  residues 44064 55198 73083*
  sugar beet pest control 81671
  vegetable pest control 63894*
Heptachlor epoxide 28963 44064
Heptacritus n g 82641*
Heptagyia 12874
Heptamelus 47120
Heptamelus ochroleucus 12982
Heptapsus 38562
Heptarthrogaster 64717
Heptathus 38289*
Heptuloses 9289 77814
Heracleum 42977*
Heracleum candicans 25226
Heracleum dissectum 75575*
Heracleum sosnowski 34209*
Hérault Société d'Economie Montagnard 66359*
Herbariums 13 8126 15806 32636 67964
  Australia 15666
  Belgium 32627*
  Brazil 58490*
  California 23900
  Finland 41299*
  France 32971*

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Item

Herbariums--Cont
Great Britain 41545
Japan 67327* 76842*
Minnesota 76897
Peru 23903*
Scotland 41281
Sweden 58779
USSR 58515*
SEE ALSO Plants, collecting and preserving; and names of herbariums
Herbertorossia 64731
Herbicides 9902 17669 17684 17688 17691 17739 34966 41674 43685 43703 43804 43830 52184 52212 52215 52219 52249 52265 58364 61009 70108 78182 89246 89376 25881* 43693*
advisory services 35001
analysis and composition 89311
application 1919 1957 9900 17696 17752 17799 18898 25927 29914 34956 43711 43762 43809 43820 43824 51101 52176 52281 52282 70043 70055 17793* 25942* 26208* 50214* 89252* 89327* 89329* 89351* 89379*
equipment 5801 5803 5807 13303 18894 21589 21591 29922 38675 38678 43675 47372 47385 47465 47470 47482 56217 56219 56222 56224 56225 73130 13293* 56226* 92784* 92915*
New Zealand 47464
Southern States 44774
USSR 17784* 64937* 83173*
Hawaii 43688 70044
Hungary 89391*
Louisiana 43813
Maryland 81548
New Zealand 47479
USSR 52186 1913* 1950* 17724* 17727* 25873* 25875* 25935* 89357*
Belgium 9918*
Brazil 25915* 35037* 78205* 89363*
Canada 17823 35038*
chemistry 9867 35012 89309 43822*
conferences and congresses 89373*
costs and returns 15516
Czechoslovakia 71152*
Denmark 9879*
effects on insects 81550
effects on plant disease 59205
effects on plants 1015 9204 9872 16591 16593 16597 16795 17782 24197 25907 25954 33893 34047 34961 35014 41682 42480 42694 42824 42941 43026 43777 52198 59944 60050 60193 64155 68846 74436 87819 88038 1127* 1291* 8870* 42247* 42573* 51280* 52243* 60176* 60207* 60950* 67760* 70012* 70070* 77615* 89330*
bibliographies 42534
reviews 60126*

Item

Herbicides--Cont
effects on soils 10071 26103* 44015* 70256* 73397* 78419*
effects on trees 2759 19031 44771* 59086*
emulsions 43711 43782
formulations 17687 17730 23767 43718 52312 41689*
France 24144*
Germany 10697* 33082* 43746*
granulated 17703 17767 17799 17820 25927 34988 35054 47368 52312 56222 56225 60947 73130 10694* 25931* 44813*
Great Britain 9907 9909 34963 35036 35042 35059
Hawaii 25906 43805 43841
hazards and safeguards 9900 78210 70068* 94846*
history 70046
in soils 1924 2069 9912 25877 25904 25932 25957 25958 26102 34979 34999 35208 42824 43673 43706 43990 52304 70077 70078 70081 70112 78177 89273 18078* 26103* 43689* 43846* 44012* 70012* 70018*
industry 1926 60995*
Italy 8384* 67741* 70020*
Japan 52239* 70050*
Lebanon 35041
legislation 320*
marketing 89295
mixtures 35005 43710 43843 52227 61013*
New Zealand 43684 43768 44314
Norway 25952*
oil 43705 43711 52300 73397*
pellets 34971 44773
post-emergence use 35004 35022 43806 1944* 1945*
pre-emergence use 1934 1953 9898 9899 9904 9929 17637 17658 17680–17682 17693 17700 17747 17754 17774 17775 17778 17779 17809 17815 21591 25892 25899 25901 25903 34132 34956 34999 35010 35055 43690 43708 43716 43737 43783 43790 43791 52164 52165 52168 52181 52185 52198 52199 52203 52208 52210 52211 52228 52262 52268 52278 52316 52317 61007 70105 78183 78228 78229 89314 89389 25878* 35013* 43719* 60963* 70056* 78178* 89265* 89297* 89340* 89361* 89370* 89378* 92784*
properties 89309 70085*
regulation and inspection 332 41628 70019
residual effectiveness 17774 25958 43836 52174 78177 1940*

Item

Herbicides--Cont
residues 9865 17695 17735 17763 17825 21851 35006 56971 70081 74436 89298 39712* 65091* 70018* 94846*
study and teaching 35001 43707
tests 1929 1934 2674 17670 17694 17702 17820 25898 25910 25947 35032 35060 43697 43709 43776 43816 43842 52267 52295 70016 70095 1912* 10697* 17640* 18901* 25889* 25914* 35039* 43765* 52324* 70092* 70099* 78194* 89405*
tolerances 67169
toxicity 25949 78186 91947 25930*
aquatic life 17657 35018 43739 52173
reviews 63714*
bees 64155 81965
livestock 90666*
wildlife 17657 43961
USSR 1941* 25913* 43692* 43822* 70013* 70062* 70101* 89327*
Yugoslavia 67744* 89324*
SEE ALSO Weeds, control, chemical; and names of herbicides
Herbs 91271 94101
cookery 58336
culture 17836 70131 61028*
diseases 67721*
history 70131
Italy 2004*
pests 67721*
storage 46614* 46615*
Virginia 70157
Hercules AC-5727 29039
Hercules AC-528 37527
Hereditary diseases SEE UNDER Livestock and names of animals
Herellea 36860
Heriades freygessneri 82648
Hering E 62373*
Hermannella n g 82382
Hermannia 58644*
Hermannielloidea n superfam 29283
Hermaphroditism 5344 37405* 38036* 68211* 77393*
SEE ALSO Pseudohermaphroditism
Hermetia illucens 92555*
Herminium lanceum 32867
Hernandez F 49935
Hernia 62455 54814*
SEE ALSO types of hernia
Herniaria glabra 35069*
Herniaria hirsuta 35069*
Herpes B virus 20314
Herpetineuron toccoae 76998
Herponema 213
Herringbone system SEE Milking barns
Herse convolvuli 5376 55953
Hersiliidae 29288*
Hertfordshire virus strain 28316*
Herulia n g 92548*
Herulia sundholmi 92548*
Herzog T 41165*
Herzogianthus n g 67550
Heslop I R P Revised Indexed Checklist of the British Lepidoptera 5421
Hesperaspidius 82271

Item

Hesperia susanae 64661
Hesperidin 84198*
Hesperiidae 12992 64664* 82667*
as pests 63943
diseases 29645
food and host plants 5456 55930 55958
France 21415*
Great Britain 64693
Malaya 82759
Mexico 82752
taxonomy 47138
Hesperis 15810* 82662*
Hesperis matronalis 24470 50705*
Hesperoleon 47256
Hesperophanini 82294
Hesperotychus 82265 82271
Hesse N C W 67233*
Hesse Landwirtschaftskammer 66792*
Hessian fly SEE Phytophaga destructor
Hessing P A 38048*
Hetaerina americana 47245
Heteradelphia paulojaegeria 41400*
Heterakidiasis SEE Cecal worms
Heterakis gallinae 63303 37106* 63276* 91500*
Heterarthrus 64554
Heteroauxin SEE Indoleacetic acid
Heterobasidomycetes 24076*
Heterobelbidae n fam 29283
Heterocampa manteo 37833
Heterocera SEE Moths
Heterochromatin SEE Chromatin
Heterocyclic compounds 62217 62218*
Heterodera 8630 24472 50563 77279* 87110*
reviews 59221
Heterodera avenae 602 42058 46478 77268 77296 16167*
Heterodera fici 33434*
Heterodera glycines 621 24456 42059 50532 77275
Heterodera major SEE Heterodera avenae
Heterodera oryzae 50541*
Heterodera rostochiensis 597 8631 16187 24463 24465 24470 42060 42082 50551 24481* 24482* 42055* 52150*
control 615*
potatoes 24452 33433 68058 24479* 24483* 42068* 68060* 68062* 68075* 68083* 77277* 77449* 87136*
Solanum tarijense 42078*
tomatoes 33433
Heterodera schachtii 8641 24457 24463 33438 33439 42081 77283 77292 77293 59200* 8628 8642 50527 8636*
beets
sugar beets 16175 44502 77277* 77287* 87105*
Heterodera trifolii 33454 609*
Heterogaster 47022*
Heterogastrinae 21306 92514
Heterogony 82091*
Heterographis 47130*
Heterographis oblitella 13002*
Heterolepisma 13100
Heterolocha 38490*
Heteromeringia 46931*
Heterometrus fulvipes 46804

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Item

Heterometrus swammerdami 21051 46804
Heteronychus 20759
Heteropalpia 38429*
Heteropatella 8305*
Heterophyes heterophyes 36789*
Heterophylly 777
Heteropogon 82384* 86427*
Heteropogon contortus 19764
Heteroptera
  Africa 47007
  anatomy and physiology 5235 29517 38311 38342 47027 47045 64495 82541 82546 82898 92503 92511 64488* 82511* 82555*
  as pests 81631*
  breeding places 46987*
  Bulgaria 47013* 47014* 47017* 82559*
  Cameroon 47006*
  Canada 47040
  collecting and preserving 73759 73734* 92490*
  collections 82087
  cytology 55856
  Czechoslovakia 29557* 38334* 47034* 47035* 47043* 47046*
  Eastern Hemisphere 21288
  ecology 92489 92494
  eggs 29562 82548*
  evolution 82541
  Finland 38316
  food and host plants 92489 82514*
  Great Britain 5238 5241 38343 73728
  habits and behavior 12922 92512 92519 5231* 21270* 82559*
  Iran 47004*
  Italy 38338*
  Micronesia 38346 38347 38358
  Near East 38314
  Netherlands 55857*
  nomenclature 38309 64491 82526
  nutrition 38328 47038
  nymphs 29562 47045 82548*
  Palearctic Region 29561
  Philippines 47009
  Poland 81631* 92507*
  Republic of South Africa 92516
  Scotland 73507
  stratification 12922
  surveys 64516* 82514* 82550* 82559* 92507*
  taxonomy 55856 64495 92503 38350* 38351* 47005* 47045* 82566* 82568* 82570*
  Turkey 38300
  USSR 92508* 92528*
  United Arab Republic 82551
  Yugoslavia 47001*
Heteropterus morpheus 21415*
Heteropynellus n g 92514
Heteroscelis 29552*
Heteroscyphus 32891
Heterosides SEE Glucides
Heterosis
  animals 19359 36927 72466 27215* 45175* 63212* 63564* 72598* 90499*
  insects 4830 29420 50868 92441 37945*
  plants 916 17060 24683 24686 50868 59726 60438 88381 88446 1492* 8832* 17570* 17625* 24571* 25347* 25855* 26898* 26916* 34163* 34872* 43150*

Item

Heterosis--Cont
  plants--cont 43444* 44839* 59393* 59719* 60704* 68491* 68614* 68616* 68894* 69323* 69385* 69948* 71257* 77539* 87384* 87426* 87460* 87479* 87638* 88081* 88748* 88785* 88789* 89133* 89165* 89221*
Heterostylum robustum 29588
Heterotheca subaxillaris 8654
Heterotrichum 32872
Hetol 63433*
Hetpamelus 64554
Heurnia 32799
Hevea
  acreage and area 57454
  anatomy and physiology 60026
  culture
    reviews 17851
  diseases 15921
  fertilizers 10282 18316*
  fungus diseases 24264 67827 58961*
  injuries 86708*
  Malaya 1996
  planting
    reviews 17851
  policies and programs 31494
  pollination 977*
  soils 26272
  tapping 17844 17845 17857 31506 48874 14563* 40126* 40127* 48868* 57451* 57452*
  varieties 61036 70152
  Vietnam 43865*
  weed control 9929
  yields 17844 17857
  SEE ALSO Latex; Rubber
Hevea brasiliensis
  anatomy and physiology 42519 77475 42877*
  biochemistry 34270 9226*
  culture 25993* 26353* 35062*
  diseases 67704
  fertilizers 10283 44153
  fungus diseases 24230 31495 41778 41779
  pollination 12364
  propagation 9179 42519 70132 25992*
  soils 26351 44153 10191*
  spraying and dusting 13295 24230
  tapping 7186
  yields 42519
Hexachlamys 86473*
Hexachlorane SEE BHC
Hexachlorobenzene 419* 59064*
Hexachlorobutadiene 29078* 70877* 92176*
Hexachlorocyclohexane SEE BHC
gamma-Hexachlorocyclohexane SEE Lindane
Hexachlorothane 36629* 45622* 80461* 91072*
Hexachlorophene SEE 2,2'-Methylenebis (3,4,6-trichlorophenol)
Hexacolus 64396
1-Hexadecanol 70228
Hexadecenoic acid 9249* 60328*
Hexagenia 20567
Hexagenia limbata 92653
Hexagona varigata 50141
Hexahydro 1-H-pyrrolizine 16275
Hexamermis arvalis 73638
Hexamethylenetetramine SEE Methenamine

Item

Hexamethylenimines 73186*
Hexane 22922 40060 75502 75613
Hexatoma 5056
Hexatomini 5069
3-Hexen-1-ol 82916*
Hexenal SEE Hexobarbital
2-Hexenal 5558
Hexestrol
  effects on cattle 11573 72050
  effects on poultry 54694*
  effects on sheep 37207 72050 72821 81115
Hexobarbital 28145* 80362*
Hexokinases 51477 77766
Hexosamines 88142* 88143*
Hexose monophosphate SEE Fructose-6-phosphate
Hexoses 11363 51449 51549 36606* 63085*
Heylandia latebrosa 69020
Heynea 67415
Hiang T T 8054
Hiastatus 21215*
Hibernal SEE Chlorpromazine
Hibernia SEE Erannis
Hibiscus
  anatomy and physiology 68809* 77440*
  breeding 43543*
  culture 60755
  ecology 68809* 77440*
  genetics 68461* 68809*
  germination 42866*
  hybrids 903 43543* 77440*
  pollen 42275
  propagation 89086
  seeds 42866*
Hibiscus acetosella 903
Hibiscus cannabinus SEE Kenaf
Hibiscus castrol 58641*
Hibiscus coccineus 77439*
Hibiscus esculentus SEE Okra
Hibiscus manihot 39522
Hibiscus moscheutos SEE Hibiscus palustris
Hibiscus mutabilis 77439*
Hibiscus palustris 77439*
Hibiscus radiatus 903 59574
Hibiscus rosa-sinensis 1236
Hibiscus roseus SEE Hibiscus syriacus
Hibiscus sabdariffa SEE Roselle
Hibiscus syriacus 77439
Hibiscus tiliaceus 34306
Hickory SEE Carya
Hides and skins
  analysis and composition 31252 93805 31255* 39929* 57246* 75403*
  British Commonwealth 75382
  cattle 14392 11458*
  chemistry 14412 33919*
  chinchillas 39895
  defects 31298 92009 22610* 75439* 84680*
  enzymes 75404*
  goats 22573 40018 92042*
  grading and standardization 6976
  irradiation 7005
  pest control 64052
  pests 12618 29125* 46630*
  prices 6985 6986 6987 31303 31304
  processing 6994 7006 7007 7008 7011 14426 14427 39997 40008 40022 57309 57312 66062 75492 83581 84727 84748 14409* 39919* 39992* 39994* 40017* 40025* 75439* 75480* 84720* 84759* 93881*

Item

Hides and skins--Cont
  properties 57241 65101 84632 39994*
  proteins 84734 39929*
  quality 39926 45387
  rabbits 39979*
  regulation and inspection 84700
  Republic of South Africa 84568
  sanitation 22122* 66049*
  sheep 22573 31305 48712 57306 84749 93789 29125* 66049* 93881*
  situation and outlook 6886 22573 93793
  statistics 14437*
  storage 40007*
  swine 14423* 29125* 40007* 40019* 40025* 75472* 93866*
  tests 39926
  trade 7888 48714 76540 76556
Hieracium 15821* 58646* 67516* 76956*
Hieracium pilosella 69191*
Hieracium pseudoblyttii 58657*
Hierochloe odorata 58707 60291
Hierodula tenuidentata 73872*
Hietaranta M 41207* 49836*
High-frequency heating
  in cheese manufacture 74866
  in field crops drying 64914*
  in fish processing 85123
  in food processing 7330 56471 21889*
  in milk processing 83903*
  in particle board manufacture 53698*
  in seed treatment 16845
  in tea processing 39215
  in tobacco processing 31609*
  in woodworking 2826 2890 11018 19238 36008 36012 45034 45029* 53626* 62133* 90395*
Highways SEE Roads
Hilara 92432
Hilara maura 46966*
Hilara pilosa 73696
Hilaria mutica 61271
Hill H H 70946*
Hill Farming Research Organisation 43243
Hill H R 32538
Hill reaction 8970 16611 24803 42790 60236 68684 87819 87991 88043 1350* 42573* 59803* 87631*
Hillsborough Agricultural Research Institute of Northern Ireland 49880
Himalayan spruce oil 75583
Himalopsyche phryganea 13078
Himanthalia elongata 32928* 77521*
Hincks W D 8041 76724
Hinterhubera 8199
Hinton H E 82084
Hiospira n g 58795
Hip dysplasia
  dogs 11742 11748 27967 72333 45799* 54570* 72340* 91203*
Hipparchia alcyone 82658*
Hippeastrum SEE Amaryllis
Hippelates 4535 28832 46951 81466 82409
Hippelates collusor 4357 12411 28758 28831 29428 46359
Hippelates impressus 29476
Hippelates pusio 29476 37551

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Item

Hippoboscidae 4459 4475 5080 46934 81475 92443
Hippocrateaceae 76945*
Hippodamiini 82229
Hippophae 64594 64604 25658* 87333
Hippophae rhamnoides 5384 5417 38469 30964*
Hippopotamus meat 84562*
Hippuris 777
Hips 53914
  cats 20040
  cattle 90999
  dogs 11745 20040 36798 72334 72354*
  horses 63150 80627*
Hiroshima Kenritsu Nogyo Shikenjo 23835*
Hirstiella 12776
Hispa serrata 12850*
Hispastathes n g 92350*
Hispinae 12838* 12849* 12850* 46901* 82339*
Histaffine 80531*
Histaminase 36547*
Histamine 21320 36894 38121 39427 48142 56815* 81326* 91269*
Histeridae 38136* 64388* 73644* 73652* 82335*
Histidine 11978 24646 11293* 80373* 87307*
Histiostoma feroniarum 92339*
Histiostoma murchiei 55697
Histomoniasis SEE Blackhead
Histoplasma capsulatum 52581
Histoplasmosis 63016 45773* 45859* 80591*
History 8067 15583 32571 32573 58444 66567 67250 67257 67260 76757 85676 86227 86233 94271 15585* 85397* 94924*
  Argentina 86229*
  Asia 67247
  Austria 15299*
  bibliographies 8069 8070 86230
  Canada 49847
  China 76759* 76762* 76763* 86234*
  Cuba 58443*
  Czechoslovakia 67252*
  Estonia 67248* 67251*
  Germany 49851* 49852* 94926* 94928*
    East Germany 47683*
  Great Britain 85363 85378 94929
  Greece 86234*
  Hungary 67249* 67261* 76764* 94927* 94930* 94932*
  India 23810
  Indonesia 66696*
  Iran 58442
  Ireland 94926*
  Israel 15584
  Italy 23814 85375* 86226*
  Japan 32572*
  Kansas 94923 94931
  Korea 76760*
  Latvia 67251*
  Lithuania 67246* 67259*
  Missouri 47827
  New Zealand 23812 23813
  reviews
    Czechoslovakia 67253*
    Poland 76766*
    Switzerland 94925*
  Rumania 41218*
  study and teaching
    Bulgaria 76765*
    Hungary 76758*
    Italy 8068*
  terminology 32570

Item

History--Cont
  USSR 8071* 8072* 15490* 67243* 67244* 67255* 67256* 67259*
  USSR bloc 67242*
  United Arab Republic 86231
  Vietnam 76761*
  Yugoslavia 67245*
  SEE ALSO UNDER specific subjects
Hitches 5816 92937 5706* 21675* 21678* 21682* 47357* 56256* 92944*
  designs and specifications 92922
  hazards and safeguards 38760*
  operation 74217*
  parts 64951* 74210*
Hjärre's disease SEE Coligranuloma
HMF SEE 5-Hydroxymethyl-2-furaldehyde
Hochreutiner B P G 49779*
Hocks 3902 45685 36650*
Hodites n g 82382
Hodophylax 5173
Hodotermes mossambicus 12521 29816
Hoehne F C 86220*
Hoes 38662 13315* 47350* 47371*
Hoflund's syndrome 72123*
Hofmannophila pseudospretella 73332
Hog cholera 12301 28671 28701 55077 55138 62746 63679 91888 11341* 12245* 12255* 12273* 37379* 37389* 46251* 46254* 46265* 46266* 46267*
  Australia 81267
  causes 55102*
  conferences and congresses 11355*
  control 28669*
  diagnosis 72991 81251 81259 81280 81313 81318 20540* 28652* 55073* 72989* 73016* 81268* 91845*
  eradication 37374 46270 73034 81243 81294 81328 91918
    Florida 91924
    Iowa 28659
    USSR 12293*
  Germany 91863* 91870*
  history 37355 55136
  Hungary 12294*
  immunization 4294 37351 55065 81260 81261 91846 91921 91922 12296* 20527* 20529* 20533* 28642* 28654* 28679* 28686* 37350* 37369* 46241* 54865* 63652* 63655* 63665* 81268* 91826* 91833* 91838* 91840* 91874* 91879* 91904* 91913*
  Japan 28658*
  Poland 12283*
  prevention 91539* 91891*
  rabbits 37165 54861 4023* 37164* 54865* 91609* 91617*
  resistance 63678 81306 81320 81333
  Tasmania 55127
  transmission 28632* 91899*
  treatment 28632*
  vaccines 37166 37351 54861 72982 81261 91846 91915 91921 91922 4023* 20533* 28642* 28654* 28655* 28682* 28686* 28687*

Item

Hog cholera--Cont
  vaccines--cont 37350* 37369* 37398* 55075* 63652* 63672* 90569* 91609* 91824* 91826* 91836* 91838* 91875* 91879* 91884* 91885* 91892*
  virus 28703 37166 37385 46253 54861 55124 81266 81318 91873 4023* 4247* 12269* 12296* 28641* 28642* 28678* 28679* 28709* 54865* 55101* 63652* 91617* 91824* 91825* 91836* 91838* 91870* 91878*
  Yugovlavia 91841*
Hogs SEE Swine
Hohenheim Landwirtschaftliche Hochschule
  Institut für Tierheilkunde 3215*
Hoja blanca
  rice 37636 59116 73218 33393* 67980* 73207*
Hokkaido University
  Entomological Institute 82623
Holcocera pineae 92569* 92617*
Holcocleptes SEE Cleptes (Holcocleptes)
Holcomyrmex faf SEE Monomorium chobauti
Holcus 50049
Holcus lanatus 630 16629 33843 50049
Holcus mollis 50049
Holdgatiella n g 46999
Holmes's silver method 12726
Hollow heart
  peas 24110
Holly SEE Ilex
Holocellulose 36145 19325*
Holomenopon 38564
Holopteiea integrifolia 10943 19310 75504
Holotrichia diomphalia 12864* 38083*
Holotrochus 64340*
Holst A 86209*
Holstein-Friesian Association of Canada 54104 71919
Homadaula albizziae 20859
Homalocephala SEE Echinocactus
Homalodisca coagulata 5252 63996
Homalopeltis n g 41533*
Homalostethus 82534*
Home demonstration work SEE UNDER Extension work
Home economics SEE Home management
Home management 23820 49857 49858
  bibliographies 49856
  directories 49855
  Georgia 58446
  Michigan 76767
  Mississippi 5952
  Nevada 94933
  New York 49854
  study and teaching 23819 23462*
Homeopathy 27454 28238* 45623*
Homestead Act of 1862 23382
Homesteading 23382 49378 58051 66774 94531
Homobasidiomycetes SEE Basidiomycetes
Homocysteine 8923
Homocystine 16932
Homodes 21397
Homoeoprepes 82688
Homoeosoma 47130*
Homoeosoma heinrichi 29711*

Item

Homoeosoma nebullelum 29031*
Homoporus 82594*
Homoptera
  Africa 21275 73761*
  anatomy and physiology 38311 73755 82498 47051* 56015* 64514*
  and plant disease 92182*
  as pests 28995* 73743*
  Australia 73755
  Carpathian Mountains 64500*
  Caucasus 46994*
  Chile 46999 55854
  Congo 64485 73762* 73763*
  cytology 46992*
  ecology 64500* 73743*
  Finland 82522
  food and host plants 64525 21298*
  geographic distribution 47032 64500*
  Great Britain 92527
  habits and behavior 64529
  Japan 29565 29566 29567
  Micronesia 64492 64499
  Netherlands New Guinea 64525
  nomenclature 38290 47025 55850
  nymphs 4613
  parasites 92530 56015*
  Poland 64493*
  Republic of South Africa 46995
  Scotland 73894
  Southeast Asia 55855
  taxonomy 82517 82564 82573 5233* 38291* 73761* 82534*
  USSR 38289* 47052*
Homopterocarpin 62218*
Homorocoryphus 21461*
Homotoma ficus 38287
Honduras Secretaria de Recursos Naturales 57825*
Honey 65956 75372 86065*
  adulteration 73416* 84534* 84536* 93761*
  advertising 39878 48589 65958 75373 84533 84537 84544 93760 93766 93769 84543*
  analysis and composition 20974 20975 22550 57213 93770 22546* 31211—31213* 31215* 37848* 37862* 39880* 48590* 57208* 64124* 93761* 93762*
  chemistry 84538*
  comb 64153 73423 73427 93765
  consumption 57209* 65109*
  containers 93765
  contamination 81962* 82015*
  cookery 31217*
  directories 64120
  drying 22546
  enzymes 84539*
  equipment 37860*
  extraction 4829 37893 81931
  feed for insects 46732
  France 20956*
  grading and standardization 47720 81940 84534*
  harvesting 4781 4789 4793 46694 64194 81937 81955 82006 92282
  history 84541*
  hydrogen-ion concentration 93770
  in literature 64169 93763
  legal aspects 84543*
  marketing 6857 6858 6860 6861 6864 6865 6866 22544 22548 39878 39881 93769

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Item

Honey--Cont
marketing--cont
costs 48591
Florida 6859 81986 93764
Italy 22549*
Norway 39879* 57211*
Vermont 4837 75374
moisture 37900*
Norway 57211* 81970*
nutritive value 31214* 39880*
packing 6863 84538*
Poland 31218*
prices 31216*
processing 55604 73445 81940 31214* 37860*
products 31217* 46679*
properties 4797 6862 29184 93767 31218* 37862* 57210* 75371* 84542*
quality 57212* 93762*
regulation and inspection 31214*
shows 4787
situation and outlook 83301
statistics 13573 22545 48588 84535 93768
therapeutic use 29206* 84540*
trade 32384 39881
France 76511*
Germany 67060*
Italy 49583*
Spain 76511*
types 39879* 93762*
SEE ALSO Apiculture, honey production
Honey bee SEE Apis mellifera
Honey flows 29188 64146 64194 29176* 46678* 46697*
Honey locust SEE Gleditsia
Honey plants 34312 61025 73434 78252 25989* 26001*
Albania 25988*
Belgium 12695* 61034*
Canada 70125 70146*
Colorado 70161
Europe 33679*
France 89434*
Germany 25994*
identification 20957
Italy 17829* 17852* 35061*
Kentucky 81958
Michigan 60605
New York 1979 1998
Norway 81970*
Oregon 70155
Poland 25977*
pollen 33679*
Rumania 70150*
SEE ALSO names of honey plants
Honeycombs 4832 21344 37893 81982 4818* 20976* 29205* 29210*
construction 37880* 37903* 64131* 81936* 81977*
Honeydew 37575 73431 46697* 81970* 81980*
analysis and composition 21296 47028 82542 21274*
feed for insects 47089 17832* 46936*
toxicity 64121* 82007* 82008* 82010*
Hoofs 60512
cattle 54110* 62809* 72251* 80327* 91041*
diseases 19904* 54297*
horses 36902
diseases 28119* 28120* 72413* 91312*
swine 91868*
Hooker Sir J D 58483

Item

Hookeria lucens 201* 67536*
Hookworms
cats 36780
dogs 20012 91243 91263 3650* 3707* 28047*
control 11788 91187
treatment 36780 36835 45743 63060
goats 63521*
guinea pigs 20115
man 40814
sheep 63521* 72831*
Hoorn Instituut voor Veevoedingsonderzoek 27259*
Hop oil 57330 57382 57383 48762*
Hopkins J G 33013
Hoplandrothrips 5637
Hoplismenus 47084
Hoplitis 55903
Hoplitis milhauseri 82749
Hoplitis producta 5307
Hoplitontus n n 12856
Hoplitophthorus n g 12856 64396
Hoplitoplithorus n g SEE Hoplitophthorus n g
Hoplocampa 64554 81757*
Hoplocampa flava 12562*
Hoplocampa minuta 12562*
Hoplocampa testudinea 81747* 81810*
Hoplolaimus coronatus 24474
Hoplomutilla 29620*
Hoplomutilla valeria 82588*
Hoplopleura 29811*
Hoplopleura colomydis 73891*
Hoplopleuridae 5650 82880 73892*
Hoplothrips 5588 38559*
Hoplothrips semicaecus 92672*
Hoppe-Seyler F 58434
Hoppea dichotoma 717
Hoppingiana 82271
Hops 31631*
acids 21976 22938
analysis and composition 14647 22938 40232 94114 7319* 7322* 14648* 39154* 75797* 94103*
anatomy and physiology 25079 68979 33962* 87360*
biochemistry 16289 25223 88214*
breeding 61015 52356*
care and handling 7318*
chemistry 14643
costs and returns 49337* 49346*
culture 17833
Belgium 1986* 35076* 41641*
Czechoslovakia 9958*
Germany 2005*
East Germany 83064*
Great Britain 78243
Hungary 7423*
disease resistance 481
diseases 33032* 86655*
drying 7318* 35076* 47780*
fertilizers 25079
fungus diseases 50856 86773 24320* 33285*
control 41900 67825 33166* 33271* 59047*
Czechoslovakia 67891*
Great Britain 67919
New Zealand 481
grading and standardization 75799*
harvesting 67919 38695* 47413* 56184*
harvesting date 75799*
history 94107 14652*
industry 40225
labor 7423* 14763*

Item

Hops--Cont
marketing 75795 7312* 22942*
mechanization 5691*
morphology 16289 59461* 59539*
nutritional deficiencies 77528*
pest control 63922* 92121* 92122*
pests 92134 33032*
prices 75799*
processing 93205
properties 21976
quality 25079 7319* 14648* 75799* 85129* 94103*
regulation and inspection 75797*
situation and outlook 22929 85131 75306*
soils 35194* 41641* 61134* 66276* 67072*
spraying and dusting 33166*
statistics 83615
storage 66276*
tests 14643
trade 58298 58299
Europe 15399* 32350* 94786*
Germany 7312*
Scandinavia 58287*
varieties 481 35079 43866 61015 39154*
virus diseases 67825 42030* 68041*
Hordaland Landbruksselskap 66980*
Hordeae 23946
Hordeum 16473 23947
Hordeum bulbosum 25062*
Hordeum distichum 51072
Hordeum jubatum 16473
Hordeum lagunculiforme 59358*
Hordeum murinum 25920 34969 43682
Hordeum spontaneum 77459 86421 59358*
Hordeum vulgare SEE Barley
Horisme corticata 29747*
Horizontal integration 93783 13432* 84066* 85500*
SEE ALSO SUBHEAD industry, horizontal integration UNDER names of animals and crops
Horke A 94900*
Horky A 49792*
Hormidium 41510
Hormiscops 46910*
Hormones
Acetabularia 88241
Agropyron repens 16683
animals 19516 27216 36950 53906 54007 62476 63318 90598 90638 3136* 53742* 80349*
effects on cattle 11642 19637 19649 36608 54229 54374 72004 90922 91068 19650* 19832* 36539*
effects on dogs 27993
effects on ducks 3919
effects on goats 91068
effects on guinea pigs 91612
effects on horses 54641*
effects on mice 36937
effects on minks 36850*
effects on poultry 3961 20146 20216 28240 37102 28203* 63216*
effects on rats 54673 72445*
effects on sheep 4070 12085 28482 37264 46111 72842 81081 4036* 37271*

Item

Hormones--Cont
animals--cont
residues 48851*
Apis mellifera 73413 12672* 64177*
Avena 60068
barley 46473 46474
Betula 33997
Bombyx mori 4848
broadbeans 1129 24800*
cacao 9085
cats 19994*
cattle 11545 36537
Coleus rhenaltianus 9194
corn 33842*
Corylus avellana 16827
cotton 1082
Dermaptera 5634
Diptera 29478 82431
dogs 19994*
Edgeworthia tomentosa 9092*
fruit 51249
Fusarium 1044 970* 68568*
garlic 68891*
Gladiolus 68794*
grain 75303*
grapes 77601*
Hemiptera 5266
insects 4895 5157 21296 21336 38509 46474 53906 55633 55998 55999 73750 82080 82869 12672* 21020* 29244* 55774* 82823* 92303*
isopods 12777
Jerusalem artichokes 34092*
lentils 34109* 77661*
Lepidoptera 82760 92606 92571*
lupine 51052
Mazzard cherries 68944
mosquitoes 63874
oats 25156 77616
Oedogonium 42290
onions 33886 77501 68891*
Orthoptera 73867 82854 21463*
peas 77695 33930*
pigeons 20219
Pinus 59832* 77644*
plants 1257 1359 2138 8971 16649 16868 25027 34276 47028 50706 50923 50971 50992 51361 51376 51482 51574 59855 60359 67977 82542 87788 88037 25055* 33852* 34333* 42451* 42553* 50659* 51278* 59967* 64236* 68621* 68749* 68854* 87544* 87775* 88031*
conferences and congresses 24842*
reviews 87981*
Portulaca grandiflora 33966
potatoes 68969
poultry 12013 20219 37048 63336
Quercus 87495*
rape 87584*
rhubarb 16622
rice 16787 34172
Setaria glauca 16785
sheep 20388 63536
soybeans 51420
strawberries 16832 34118 77549
strawberry clover 42486
sugarcane 51006
sunflowers 24799* 25072* 25073*
swine 20507 20506*
Taphrina deformans 9158

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Item

Hormones--Cont
tobacco 87717 87584*
tomatoes 59848
wheat 46473 46474 16854*
SEE ALSO Adrenal cortical hormones; Androgens; Estrogens; Gonadotropins; Growth substances; and names of preparations
Horn fly SEE Haematobia irritans
Horn meal 91407*
Hornbeam SEE Carpinus
Horner's syndrome 36788*
Hornets 21320
Horns 54274* 80398* 91079* 91120*
Horogenes chrysostictos 5397 64545
Horribates n g 82177
Horse bots SEE Gasterophilidae
Horse flies SEE Tabanidae
Horse pox 54637*
Horsebeans 34215* 88521* 88635* 88687*
Horsechestnut SEE Aesculus
Horsemanship 80667
Horsemeat 48614 31254* 48602* 48641* 93824*
Horseradish (plant) SEE Armoracia lapathifolia
Horses
abnormalities 63150 80633
age 80621*
Alaska 3789
anatomy and physiology 11844 36908 28117* 91309*
associations 11816
Belgium 90796*
breeding 3742 54603 91296 91301*
California 91299
China 54607*
Czechoslovakia 80610* 91293*
effects of age 45818* 72387* 72388* 91297*
Germany 11818* 36882* 63129* 72390* 72393*
East Germany 72398*
hybridization 28089* 72400* 91294*
inbreeding 62572* 91298*
Italy 80607* 91292*
Japan 54607*
Netherlands 45820*
New Jersey 36877
Poland 3737 3754* 45821* 63124* 72395* 72396*
Rumania 91290*
Sardinia 80611*
USSR 3750*
Yugoslavia 54610* 80604*
breeds 72397 91301*
American Quarter Horse 3741 3751 3757 28128 63125 80606 91296
American Trotter 36899 63150
Appaloosa 3743 3744
Arab 3748 45819 3754* 11811*
Asturian Pony 54609*
Bosnian Pony 80604*
Danube 36874*
Dole 72386*
East Prussian 63129*
Fjord 91291
Fox Trot 3745
Galician Pony 54609*
Hafling 11820* 54606* 80607* 91292*
Hanover 63129*
Holstein 36881*

Item

Horses--Cont
breeds--cont
Hungarian Trotter 45818*
Hutsul 54614* 91290* 91293*
Kabarda 3750*
Karabair 91313*
Lipitsa 91297*
Morgan 11819
Murge 36876*
Nonius 20084* 20085* 91298*
Orlov Trotter 72387* 72388* 82404*
Palomino 3740 3758
Pinto 36872
Plevna 36874*
Pony of the Americas 11816
Poznan 45821*
Przevalskii's horse 20092 72400*
Russian Trotter 72387* 72388*
Shetland Pony 91307
Tennessee Walking Horse 3752 11812
Thoroughbred 3749 3756 11832 20066 20067 20087 28090 36879 36880 36899 54605 63123 72385 80606 80633 91299 20076* 36882* 36875* 54643* 80609*
Trakehnen 3747
Trotter 54632*
Warm-blood 54611* 54612* 80610*
Welsh Pony 3753
care 11844 54659 63153 72433 20079* 20096* 91301* 91327*
color 3739 3740 3756 36872
cow horses 36918 45847 91334
culling 62779
cytology 80620*
digestion 63148 28114*
diseases 3769 3776 20070 3766* 11836* 63168*
control 28116
diagnosis 3777* 11833* 54619*
history 80655*
treatment 20091 28101 28103 36895 45823 63153 80623 3129* 28104* 36912*
doping 36889 36904 80623
draft 5665* 28117* 36756* 91290*
Bulgaria 36921*
Czechoslovakia 91309*
Japan 36920*
Netherlands 54074*
Poland 83195* 91330*
Sweden 20096*
embryos 54648 36705* 63172*
estrus 72405*
exercise 36875* 63144* 91316*
farms and ranches 54605 20084*
feeding and nutrition 3759 36887 54615 80618 20068* 36712* 36905*
Australia 63130
Bulgaria 54614*
deficiencies 63177 72422*
Denmark 63133*
pasture and range 54613*
Poland 80617*
seasonal 63148

Item

Horses--Cont
fertility 54643* 72387* 91297*
fossil 28129 63183 73713 54044* 54661* 63179*
France 91329*
gaits 80667
genetics 3739 3740 72395*
Great Britain 11817
growth 28128 72386* 91297*
habits and behavior 63177 54657*
hereditary diseases 80641
history 36922 54073* 91332*
China 54607*
France 54662*
Germany 54661*
Hawaii 11721
Iceland 54661*
Japan 54607*
Netherlands 36919*
Norway 54661*
housing 28096* 28097*
Hungary 3793
hybrids 28089*
identification 3786 91328 45846*
illustrations 45819 72397 91327*
immunization 72418*
in art 80665
in philately 54048
industry 3751 3793 22551*
injuries 3769 91307 45824*
treatment 19450 36906 45836 54627
Japan 72432*
judging 3790 80670*
longevity 62779 63123
meat production 11843* 54613*
metabolism 63061 80645 72419*
milk production 72431*
mortality 63123 62915* 63166*
New Mexico 63180
parasites 28092 28107*
parturition 3742 36705*
pedigrees 3754* 80610*
pest control 20629 28828 28879* 63157*
pests 28122 37560*
poisoning 20087 63130 11839* 27391* 54623*
Poland 63182* 72423*
policies and programs 72398*
pregnancy 3771* 20084* 54635* 63167* 63172* 72405* 72430* 91305* 91306* 91311* 91326*
racing 3781 3788 36880 36889 36904 54605 91300 3766* 20068* 36875* 63162*
Australia 80623
Germany 54658*
history 3787*
Ireland 72385
Italy 11845* 20097*
training 20078* 20079*
records and testing 11845* 20097* 54658*
reflexes 54638*
respiration 54650* 54651*
respiratory diseases 63139*
restraint 45840*
saddle 3790 3794 36924 56110 63178 80663 29899* 91290*
selection 72388*
shows 54654

Item

Horses--Cont
situation and outlook 54611* 72393*
Spain 54609*
statistics 28090 36877 57320* 66095*
studbooks
American Trotter 91300
Anglo-Arab 3755*
Arab 3738 11810 11822*
Belgian 63126*
Clydesdale 80605
Fjord 36878*
French Trotter 11821*
Jutland 28088*
Palomino 80613
Pony of the Americas 11815
Shetland Pony 72399 80615
Silesian warmblood 91295*
Thoroughbred 36870 72391 72394 3746* 3755* 36871*
Welsh Cob 36884
Welsh Pony 36884
surgery 28115 80317 11831* 20086* 36903* 54633* 72403* 80636* 80650*
trade 93824*
training 3785 3792 36924 45847 36875* 54657* 80609*
transportation 38751 66026 92918
types 3794 54660*
USSR 63181*
war use 36923 54075 54636 80668
weight and measurement 3741 36920* 54609* 72423* 90796* 91293* 91294*
wild 91331 91335
SEE ALSO Foals; Stallions; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products; and UNDER Logs, hauling
Horse's milk 56655*
Horseshoeing 5722 64815 74003* 83032* 92734*
Horsetail SEE Equisetum
Horstia 64275
Hortia 41375
Horticultural Research (periodical) 34578
Horticulture 9557 16997 17280 52165 68577 68835 69694 8913* 25534* 25535* 78017*
advisory services 17276 17289* 60619*
Alabama 9561
as an occupation 88812 1668*
associations 9554 34574 34575 34587 88819
Idaho 69696
Maryland 60631
Netherlands 85911*
New York 78023
South Dakota 17291
Australia 88824
Belgium 66544* 94743*
bibliographies 9554
California 43356
Canada 17288 34588
Colorado 43355
conferences and congresses 88814
California 34574
Canada 17294

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Item

Horticulture--Cont
conferences and congresses--cont
Caribbean area 78016
Colorado 43360
Delaware 17286
Florida 60625
Idaho 34580
Illinois 17282 78021
Indiana 78022
Italy 93533*
Maryland 60631
New Hampshire 78026
New York 78027
Oregon 34584
Tennessee 17292
Virginia 88825
costs and returns 7387
15100* 49308* 66739* 66751*
credit 7387 14700*
Denmark 60624* 88818*
directories 84138*
equipment 60620 88811
27057* 60623* 83265* 83267*
Germany
East Germany 82955*
Netherlands 21536* 56322*
Norway 64835*
Florida 25536*
France 17281* 60622* 65684* 69691*
Germany 42063* 69310*
East Germany 24298*
Great Britain 9552 9559
22287 34528 34965
34990 51869 51871
51872—51874 69686
69687 69692 70031
70504 78020
history 17284* 60627*
California 17279
India 60621
Netherlands 17275*
Ohio 41608
Illinois 78024
Ireland 43358*
Italy 34576* 51875*
Japan 69689*
labor 23096 40408 57759
57764 75941*
Massachusetts 1666
mechanization 13151 17440
Netherlands 9562 60626
9563* 9567* 15044*
17275* 17285* 17293*
22300* 25533* 49351*
49361* 51870* 85747*
94189*
North America 88816
Northern Ireland 43352
Norway 14032* 25537* 43357*
Oklahoma 69695
Oregon 34988
periodicals 9554
Philippines 43353
Poland 14993*
policies and programs
51877 49137* 93534*
reviews 17277
Rumania 51879
Ryukyus 78018
Scotland 25542
shows 34583
statistical methods 9642* 88821*
statistics 6070* 21911*
study and teaching 9556
51876 78173 88823
California 1786
Florida 60634 60751
France 34582
Germany 1664* 51868*
66946* 94664* 94666*
East Germany 25541*

Item

Horticulture--Cont
study and teaching--cont
Italy 9739* 17278*
Netherlands 25538* 25544*
Scotland 9556
Sweden 43354*
Tennessee 17287
Trinidad and Tobago 52078
Washington 34754
subsidies 23236
Switzerland 25545*
Tennessee 17290
Tropics 76873 78028
USSR 88820*
Western States 88815
Horticulture Improvement Scheme (Gt Brit) 23236 51877
Horvathiniinae n sfam 5239
Hoses 10827 79486
Hosier A 94915
Hospitals 15295 29124
85903 85953 85954
SEE ALSO Veterinary hospitals
Hostacortin H SEE Prednisolone
Hostacyclin SEE Tetracycline
Hot water
effects on plants 67983
69344 77857 69678*
nematocide 612 42064 68063
seed treatment 24438 50344
virucide 33372 33373
Hotbeds
Belgium 63932*
construction 47582
equipment 30071*
Germany
East Germany 51880*
heating 56310 21721*
21729* 30075* 38833*
47611* 74325*
Netherlands 25868* 43642* 60902*
plastic 88797*
temperature 92989*
USSR 25799* 61636* 69023*
69914* 69921*
Hotis test 80473*
Hough F B 8020
Houghtosil method 22236*
House cricket SEE Acheta domesticus
House fly SEE Musca domestica
House plants 88986 88987
88989 88990 89016
60821*
culture 17427 17437
17530 17545 43463
88988 89000 89029
52045*
Canada 34857
Germany 17429
diseases 86709*
Netherlands 60797*
pest control 73326* 92201*
propagation 34750 89057
69881*
varieties 34733 43545
52049
SEE ALSO Gardens and gardening, miniature; Window gardens; and names of plants
Household insects 46629
92209
Chile 81854*
China 37781*
control 4724 4736
20873 46629 55549
64050 73354 81438
81576

Item

Household insects--Cont
control--cont
California 12612 64043
Canada 29127
Ohio 55548
South Carolina 81852
Wisconsin 37504
Germany 37770*
Great Britain 37718
Japan 73350*
Poland 37784*
SEE ALSO names of insects; and SUBHEAD household pest control UNDER names of insecticides
Houses
construction 21715
47567 13362* 56269* 83255*
designs and specifications
13365 13366 30067
47567 56303 92209
Arkansas 83252
Georgia 83253
Germany 74310* 74311*
74313* 74314*
Pennsylvania 21716
Poland 74316* 92983*
Texas 13364
Germany 74318*
heating 56321
history 65012 74312*
prefabricated 27106
27108 53616
Texas 47568
USSR 47569* 47585*
47586*
ventilation 21717*
Housing
costs 30065 30068
76076*
history 74309*
India 56301 56302
Italy 30066* 85820*
Poland 92987 74315*
92985*
policies and programs 66331*
public health aspects 30069
situation and outlook 5862
30068
USSR 56269* 83256*
United Arab Republic 38783
Washington 13343
SEE ALSO Buildings; Houses; Loose housing; and UNDER Labor; Livestock and names of animals
Houstonia 134 50055
Houttuyn M 49925
Hovatoma 92363
Howard J O T 41162
Howardula 82279*
Huard V A 67226*
Hubault E 32565*
Hubbel Pond Game Refuge 8280
Huber W L 78832
Huernia SEE Heurnia
Huisman W 8031*
Hull rot
Prunus amygdalus 16037
16038
Hulst Stikstofproefbedrijf R Teunissen 31932*
Human diseases
Africa
reviews 55367
Brazil 40870*
Congo 81467
transmission 20622
20650 28859 37589
46385 63818 81450
81594 81612 37597*
37602*
by arthropods 55257*

Item

Human diseases--Cont
transmission--cont
by insects 4533
Chile 4556*
conferences and congresses 55307
reviews 55252 55255
55259 55324 55355
Uganda 63871
USSR 46399*
Tropics 92029
Human ecology 49442
Africa 49434* 85818*
Appalachian Mountains 94632
France 40830*
Germany 58124*
Great Britain 7742
Indiana 40792
Latin America 85815
Morocco 40494
New Zealand 58123
Oklahoma 22958
Panama 76367
Poland 76378*
research
statistical methods 49437
Sweden 49437
USSR 66877*
Yugoslavia 49439*
Human nutrition 6033
7933 7936 7941
7942 32435 41050
49669 49684 49687
49701 58309 58318
62328 67108 74383
76584 86054 86057
86062 23658* 32434*
49663* 79738* 86049*
Africa 13522
Alaska 86063
and diseases 7940
15453 15465 23672
86041 32423* 32430*
32443* 65151* 65175*
67106* 83489*
and health 15434 23671
58352 67103 76593
76614 94812 15433*
32443* 41044* 86055*
conferences and congresses 32433*
and teeth 18127 58308
49665* 76585*
Angola 15443*
armed forces 7931
76599 86040
associations 58332 15419*
athletes 15448 15474*
41056*
reviews 76602*
Australia 58321
Austria 15459*
bibliographies 49697
86039 49698*
British Cameroons 7336
calories 32445 32446
32468 40026 58342
76605 76629 86061
65074*
Canada 86050
children 7948 7951
7955 15455 23657
32422 32452 41061
41067 49668 49691
56372 58322 58326
58327 58338 58345
76582 86046 86071
86072 94811 15428*
86097*
Canada 49682
developing areas 49683
Japan 49671* 83376*
Latin America 94827
Netherlands 58333*
67123*
Ohio 15446

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Item

Human nutrition--Cont
children--cont
Peru 94818
Philippines 76583
West Virginia 58313
conferences and congresses 32456 36167 48749 49666 86047 94815 15451* 47627*
Congo 94808
Czechoslovakia 47639*
deficiencies 7944 15415 15416 15447 32425 32457 32458 32484 41058 49685 58351 76625 15433* 15459*
Angola 23678
Asia 86051
Colombia 7954*
Latin America 94820
New Zealand 49653
Republic of South Africa 94810
Tanganyika 86074
Western Hemisphere 56337
Denmark 58315*
developing areas 86052
dictionaries 23648
diet 7943 15422 15453 15468 32440 32457 32458 49662 49673 49700 49703 67107 67110 67118 76591 76614 86060 94801 94814 32467*
India 15422
Japan 15422
Netherlands 23700*
Norway 7956*
Ohio 15446
reviews 7953
therapy 32484 41047 86054
Europe 76616*
Finland 23676*
Germany 41059*
East Germany 41064* 47628*
history 49657 76596 15417* 58118*
Hungary 47630*
in industry 32436* 41066* 86043*
in institutions 56371 58316 58332 58343 75140 76590
in old age 23660 23683 32427—32429 49649 49656 49659 49699 58330 76586 76620 86042 94809 7956* 15428*
in pregnancy 7945 7949 23667 49680 49683 94806 67120*
in space flight 15425 76588
India 15458 15461 15478
Indians 35073
Indonesia 23646 49651
infants 6253 7945 32442 41040 49423 49652 49721 49723 76594 94823 23661* 32419* 76641*
Italy 76600
Japan 76597
laborers 58312* 76603*
Latin America 86038*
Netherlands 15475* 32471*
Netherlands New Guinea 67111
Pacific area 49707
Panama 76367
Papua and New Guinea 49733 58321 49679

Item

Human nutrition--Cont
policies and programs 15416 15424 15432 15441 15447 32420 49655 49704 84819 86046 32451*
developing areas 49683 86048
Ghana 15445
India 15435 25548
Iraq 15430
Japan 49671
Netherlands 15442
Pacific area 32510
Pakistan 15414
Turkey 15436
Republic of South Africa 49681 86059
requirements 23664 58319 76609 23659* 76623*
Arctic Region 32445
Japan 86045
Surinam 32444*
research
statistical methods 5942* 41051*
reviews 7953
Senegal 41077*
situation and outlook 32454 36172 67119 76589*
study and teaching 7928 7947 41041 49661 58324 76582 15449* 49686*
Australia 49664
Austria 15438* 15450* 15451*
Canada 41049 41062
Central America 32439*
Connecticut 7934
Germany 15437*
Japan 86045
Latin America 23666
Netherlands 86044
Nigeria 7938
Panama 32439*
Philippines 49695
Switzerland 41063*
Surinam 32444*
surveys 32455 49648 49659 49660 49677 49678 58322 58326 58335 67117 76598 83373
China 58339
Cook Islands 76611*
Great Britain 7939 49676 76586
Hawaii 23667
Indonesia 67104
Iran 7931
Japan 41054*
Korea 49674
Netherlands 7935 23681*
Philippines 76583
Puerto Rico 58307
Republic of South Africa 23655
Spain 32424* 32426* 58317*
Venezuela 41065*
Yugoslavia 32453*
Switzerland 21926*
Thailand 7950 15456
USSR 23650 67109* 76595*
Venezuela 41048*
women 23657 32427 32428 58323 76586 94807
youth 7947 15439 21805 23665 23670 23689 41057 49660 58320 76597 76610 76618 76621 94804 15428* 23681* 58315*

Item

Human nutrition--Cont
Yugoslavia 53946
SEE ALSO Cookery; Dietietics; Food; School lunches; Soils, plant-animal relations; names of food and food elements; and SUBHEAD in human nutrition UNDER specific subjects
Humates 50979 69046 69064 26085* 70912*
Humbe 13055
Humbertia madagascariensis 62173*
Humic acid 51472 70289* 78368*
effects on plants 16200* 59963* 87610*
in peat 91902*
in soils 2067 17875 18088 26068 52489 52504 52505 61135 61163 77523 78388 2114* 10049* 17964* 18053* 26062* 43943* 43973* 44029* 44032* 52533* 61140* 61165* 61223* 70279* 70307* 78339* 78340* 78348* 78368* 78370* 78383* 89497* 89527*
Humicola stellatus 246
Humidifiers 32624*
Humidity
effects on Bombyx mori 82047 12722* 20979* 46719*
effects on buffaloes 19890 54494
effects on cattle 11624 90835*
effects on Citrus ichangensis 69103*
effects on Coleoptera 5018
effects on Coleus blumei 60245
effects on cotton 51715
effects on cottonseed meal 48742
effects on cucumbers 68709
effects on dates 9088
effects on Diptera 82380 82453 46939*
effects on eggs 7149 12040 93962
effects on fiberboard 84308 90442*
effects on fibers 56871 39577* 75044*
effects on fleas 5615
effects on forest fires 19043
effects on forests 10817 35719*
effects on fruit 57116
effects on fungi 975
effects on grain 57195*
effects on Hemiptera 29568*
effects on honey 46732
effects on Hymenoptera 82647*
effects on insecticides 28772
effects on insects 4888 20550 21407 55991 73887
effects on isopods 4945*
effects on Lepidoptera 29676 47156 13018*
effects on Lilium 25078
effects on milk 13757
effects on mites 4949 12769 21071 82187 46795* 55685*
effects on mosquitoes 5202 64478 12912*
effects on onions 68916*

Item

Humidity--Cont
effects on Orchidaceae 9161
effects on Parmelia isidiosa 87880
effects on Pelargonium zonale 60245
effects on plant disease 8548 15991 24456 41725*
effects on plants 58513 59298 59928 51207*
effects on seeds 8952 42571 42788 68724 24982* 42702* 88022*
effects on sheep 6927 81140
effects on sugar 22831 66242
effects on swine 12312
effects on termites 64064*
effects on Thysanoptera 82888
effects on tomatoes 16788
effects on trifoliate oranges 69103*
effects on wood 90348*
SEE ALSO UNDER Buildings and kinds of buildings
Humpata (Angola) Estacão Zootécnica do Sul 53790*
Humulone 25223 39204
Humus 18130 18180 26119 79264 89487 17959* 26163* 61383* 61863* 78405* 78458* 78463* 78737* 79038* 89604* 89722* 89771*
analysis and composition 2098 2153 17932 43964 10030* 26176* 35139* 43931* 52570* 52571* 61122* 61138* 61270* 70237* 70286* 70311* 70324* 78353* 78374* 78459* 89509* 89519*
bibliographies 43937
chemistry 52495* 70318* 78377*
China 26185*
Czechoslovakia 89684*
Denmark 18272*
Finland 70341*
Germany 44537 44193* 44201* 44213*
East Germany 89729*
mountain areas 26597*
Netherlands 18312*
Poland 2113* 70354*
properties 2157*
USSR 17871 18288 2162* 10041* 10118* 26144* 26160* 35213* 35347* 43931* 43943* 44032* 44216* 52419* 52482* 52907* 70429* 70435* 70564* 70584* 70597* 70660* 78399* 78454* 89571*
SEE ALSO Soils, management, biological aspects; Soils, organic matter
Hungarian vetch 34493* 43233*
Hungary Élelmezésügyi Minisztérium 66541*
Hungary Husipari Állatorvosi Ellenőrző Szolgálat 27450* 71733*
Hungary Növénynemesitő Tanács Titkárság 8468*
Hungary Országos Husipari Kutatóintézet 65974* 65975*
Hunkeler M 20952*
Hunt Botanical Library SEE Pittsburgh Carnegie Institute Hunt Botanical Library

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Item

Hunting 26972 26984 49429 53447 19079* 61977* 90286*
Huntleya SEE Zygopetalum
Hunts Point (N Y) market 48360
Hurley (England) Grassland Research Institute 17163 69547 88570
Hurricanes
effects on apiaries 29189
effects on forests 4776*
effects on insects 4877
Japan 2775* 19065* 77724*
Marshall Islands 17 644 2008
Massachusetts 24121
Texas 8337 29820
Hutchinson polygraph 8229
Hutt F B 49819
Hyacinth Dolichos 12526 24242 29051 29156 68032 87365 34903* 60914*
Hyacinthella 108
Hyacinthus 25793* 41679* 88991*
Hyacinthus amethystinus 86422*
Hyacinthus azureus 42179*
Hyacinthus orientalis 59361* 59562*
Hyadesia 64321
Hyagnis 46817* 82225*
Hyalesthes obsoletus 63789*
Hyalinaspis 82564
Hyalodictys n g 77021
Hyalodiscus 222*
Hyalomma 4520 92041 38047*
Hyalomma aegyptium 28818*
Hyalomma anatolicum 4541* 37558* 73167*
Hyalomma asiaticum 20612* 63802*
Hyalomma marginatum 4502
Hyalonysius n g 92516
Hyalophora cecropia 5424 5467 21401 21440 73798 5515*
Hyalopsora polypodii 8304
Hyalopterus amygdali 12584*
Hyalotia n g 86561
Hyaluronidases
in animal physiology 63200 3592* 19881* 28139* 28154* 80470*
in bacteria 27327*
in semen 80063* 80064*
Hyblaea 82803*
Hybomitra 38221
Hybophorellus 47084
Hybos 38223
Hybotinae 92432
Hybrid Corn Industry Research Conference 25292 25293
Hybrids SEE UNDER Plants and names of animals and plants
Hydaticus 29398
Hydatidosis 6971* 36226* 53832* 71719* 75437* 90589*
buffaloes 80369*
cattle 54349 19872* 19925* 36643* 36695* 45640* 54308* 84630*
control 3457* 54321*
East Africa 19934
Germany 3491* 37380* 48667*
Italy 80364*
Switzerland 27723* 45580*
transmission 27862*
West Africa 3532
Yugoslavia 91097*
control 36240* 36241*

Item

Hydatidosis--Cont
diagnosis 53821*
dogs 3699 54572 3687* 28021* 63049*
goats 46133
Italy 3198*
man 3699 7796*
Peru 71870*
prevention 54005*
Republic of South Africa 19490
sheep 28534 63440* 63519*
control 81042*
transmission 81119
Yugoslavia 12115*
swine 12263* 37380* 54308* 91097*
transmission 53983* 57280* 62404*
USSR 62463*
Hyderabad Regional Research Laboratory 32596 76791
Hydnaceae 32993*
Hydnellum 24086
Hydnocystis 50128
Hydnosella n g 64338
Hydnum 24086
Hydnum auriscalpium 42262*
Hydracarina SEE Hydrachnellae
Hydrachnellae
anatomy and physiology 21038 21064 76568 38262* 82120*
as parasites 4940 38262* 73546*
collecting and preserving 21068
collections 4962*
Corsica 73540*
ecology 21074 82139 82168 73565* 82120*
eggs 29322*
evolution 73568
France 29326*
geographic distribution 82139
habits and behavior 21038 12794* 82120*
Iceland 12783
larvae 4940
Michigan 46779
nomenclature 29324* 46799*
taxonomy 82139 29325* 38059*
Tennessee 4966
Hydracrylic acid beta-lactone 36720
Hydraecia leucographa 21392*
Hydraecia petasitis 21392*
Hydraena 21088*
Hydrangea 52013 1064* 9773* 67987* 77376* 89102*
Hydrangea macrophylla 9233 51502 9736*
Hydrangea scandeas 32779*
Hydrangeaceae SEE Saxifragaceae
Hydrangenol 51502
Hydrastine 9260
Hydraulics 5906 5907 13303 38864 56084 70772 18455* 38630* 38774* 64836* 65046* 70778* 74235* 83197* 92943*
maintenance and repair 64964 47515*
reviews 83006*
Hydrazides 42505* 51565*
Hydrazine 1063 25219*
Hydrazones 42505*
Hydriomenidae 38472
Hydrobiomorpha 38135*
Hydroborers 44417* 47381*

Item

Hydrocarbons 27188 34267 38892 56462 77778 82401
Hydrocellulose 39458 39459
Hydrocephalus 19623 72089 72242*
Hydrocera triflora 41469
Hydrocharitaceae 68306
Hydrochloric acid 31599*
effects on Bombyx mori 82061
effects on plant disease 50510 68040*
effects on wood 27045 53662* 62201* 62202* 90447*
in feed processing 6406*
Hydrochlorothiazide 73021*
Hydrocleis 24008
Hydrocortisone 36930 28006*
delta-Hydrocortisone SEE Prednisolone
Hydrocotyle 67465
Hydrocoumarin 60329
Hydrocyanic acid
effects on insects 4719 20863
effects on plants 4737 51256*
fumigants 84466* 84467*
in insects 38476
in plants 3189 24378 51497 79736 93571
Hydrocyclones 65041* 85024*
Hydrocyrius 55863
Hydrocyrius columbiae 5248
Hydrodictyon 42253
Hydroecia SEE Hydraecia
Hydroelectric power 5898 61565
Canada 5892
India 89849
Mexico 61488*
Scotland 47607
Tennessee Basin 74367
Hydrofluoric acid 48245 53704 62180* 86724*
Hydrogen
in animal physiology 72993*
in fibers 6454
in milk processing 13818
in plants 1178 1353 88183 1191*
in soils 35161 70293*
Hydrogen chloride SEE Hydrochloric acid
Hydrogen cyanide SEE Hydrocyanic acid
Hydrogen fluoride SEE Hydrofluoric acid
Hydrogen peroxide 52529
disinfectants 22605*
effects on fibers 30828*
effects on seeds 503 33881 71186 71192 90211
effects on vitamins 22388
fungicides 503
in butter manufacture 30592*
in cheese manufacture 22111*
in fruit juice processing 6724
in milk processing 56748 65553 22102*
in pulp and paper manufacture 2918 11049
in whey processing 65553
in wool processing 6486
therapeutic use 27393*
Hydrogen phosphide SEE Phosphine
Hydrogen sulfide 4271 43991 57299 84866*
Hydrol SEE Molasses
Hydrolases 82070 22848* 16892*
Hydrolysis 27180* 30799* 36086* 47803* 61140* 71584* 83353*

Item

Hydrometers 47947 93292 26050* 61273*
Hydrometridae 38294
Hydromorphic soils 70411
Hydronium ion SEE Oxonium ion
Hydronomus sinuaticollis 92109*
Hydropericardium syndrome SEE Toxic fat disease
Hydrophilidae 81406 82336
Denmark 29358*
El Salvador 64382
France 64377*
geographic distribution 46895
habits and behavior 46895
Louisiana 64382
parasites 73644*
Southeast Asia 55717
taxonomy 64382 82331 38135*
Texas 46894
Hydrophilus olivaceus 5021
Hydrophytes 24543*
Hydroponics SEE SUBHEAD soilless culture UNDER Plants and names of plants
Hydroporus 21109*
Hydroporus marginatus 12840
Hydropsyche 47258 56023 64731 64736 56040*
Hydropsyche angustipennis 92657 56030*
Hydropsychidae 21477 56040*
Hydropsychodes 64731
Hydroptila 29785 64731
Hydroptila lotensis 5618
Hydroptila sparsa 5613
Hydroptilidae 29785 47247 73899 82864*
Hydroquinone 88194 42980* 87778* 88247*
Hydrosme 67475
Hydrous piceus 38066* 55729*
Hydrovatus cuspidatus pustulatus 82332
Hydroxamic acid 51489 22327*
Hydroxides 70306
Hydroxy acids 75531 14474* 57353*
alpha-Hydroxy, beta-carboxyisocaproic acid 88145
17-Hydroxy-11-deoxycorticosterone SEE 11-Deoxy-17-hydroxycorticosterone
DL-alpha-Hydroxy-gamma-methylmercaptobutyric acid 83976
4-Hydroxy-3-methoxycinnamic acid SEE Ferulic acid
4-Hydroxy-3-nitrobenzenearsonic acid 80797*
Hydroxycinnamic acid 9263 42967 42993 77784
Hydroxycinnamoyl esters 77772
1-beta-Hydroxyethyl-2-methyl-5-nitro-imidazole 80281*
Hydroxyethylcellulose 71575
4-beta-Hydroxyethyldiethylene diamino-methyltetracycline phenoxymethylpenicillinate 27341*
beta-Hydroxyethylhydrasine 87578
gamma-Hydroxyglutamic acid 51494*
o-Hydroxyhydrocinnamic acid 77784
3-Hydroxykynurenine 4861* 82042*
Hydroxyl groups 84800 31358*
beta-Hydroxyl-beta-methyl glutaryl coenzyme A 3808

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Item

Hydroxylamine 34282 25219* 34002* 60150*
Hydroxylamine sulfate 27059*
Hydroxylupanine 43014*
Hydroxymethyl 2-furaldehyde 6151* 56980* 84191*
5-Hydroxymethyl-2-furaldehyde 13720 22498 27146 31212*
Hydroxymethylfurfural SEE Hydroxymethyl-2-furaldehyde
2-Hydroxyphenylacetic acid 69202
Hydroxyprogesterone acetate 27961
Hydroxyproline 9148 31259 31532 39927 88225
2-Hydroxyquinoline 60107* 68943*
8-Hydroxyquinoline 60107* 68943* 77659*
8-Hydroxyquinoline sulfate 77718 54817* 91046*
Hydroxystilbene 62205
5-Hydroxytryptamine 11147 21320 3927*
Hydroxyzine 27713 71992 36501* 45435*
Hydrozetoidea n superfam 29283
Hydryphantes affinis 21046
Hygroma 27876*
Hygrometers 89452 15880* 31520* 70183*
Hygromix 28310*
Hygromycin 4201 4214*
Hygromycin B 91880 46195*
Hylastes 20921*
Hylastes brunneus 64343*
Hylastinus obscurus 4628 12461
Hylecoetus dermestoides 92365*
Hylemya 55377 63938 92476*
Hylemya antiqua 37659 55410 63894* 63959* 64458*
Hylemya brassicae
  as pests 46524
  control 4659 12519 55433 92057 92118 63894*
    biological 63965 92057
    Netherlands 55468*
    Norway 92106*
    tests 46340 55395
    USSR 63885* 81692* 81721*
  habits and behavior 46925
  insecticide resistance 46340
  parasites 63949
  rearing and breeding 21241 82420
Hylemya cilicrura 81648 92135
  control 55395 29024*
  Germany 20717*
  India 21202
  insecticide resistance 28745
Hylemya coarctata 4619 37651 92444
Hylemya floralis 4659 92106 92118 12519* 55468* 81721*
Hylemya genitalis 73693*
Hylemya liturata 28745
Hylemya platura SEE Hylemya cilicrura
Hylemya securis 92123*
Hylemyia SEE Hylemya
Hylephila phyleus 12992
Hylis 46859*
Hyllisia 82225* 92347*
Hyllisiopsis n g 92347*
Hylobius 4992 20899 20929
Hylobius abietis 4755* 21096* 38111* 92354*

Item

Hylobius piceus 38111*
Hylobius pinastri 38111*
Hylobius radicis 64341
Hylocurus 12856
Hylotrupes bajulus 81882* 92226*
  control 12624 12643 29154 73076 29135*
  habits and behavior 29151*
  larvae 82321 55557* 55586*
  outbreaks 20891*
Hymeniopeltis 67582*
Hymenodictyon excelsum 10943
Hymenolepiasis SEE Tapeworms
Hymenolepis 46035*
Hymenomycetes 25220 41531 67592 86577 67645*
Hymenophyllum tunbridgense 59239* 76901*
Hymenoptera
  abnormalities 29580*
  Africa 64547*
  anatomy and physiology 29598 47117 12968* 38383* 55606* 82608*
  Argentina 82624* 82641* 82642*
  as parasites 5255 5256 5296 5412 21324 29515 29582 38399 55873 73778 82638 92553 21329* 38385* 73653* 82783*
    Canada 64544 73834 82547 64564*
    Czechoslovakia 38404
    Finland 29607
    France 55492* 55493*
    Great Britain 5297
    India 29602
    Italy 92540* 92568*
    Japan 5309 46643*
    USSR 20587*
  as pests 28960 55539*
  as predators 82635 55907*
  Australia 38393 73772
  Australian Region 47123*
  Belgium 21334* 55916*
  breeding places 55899*
  California 38414 55892
  Central America 38374
  China 29592 29626 38415*
  cocoons 64544
  collecting and preserving 5332 82601 5287* 38382*
  collections 55877 55888 64530 64532 82609 82623 82653*
  Congo 73783*
  Cuba 5268*
  Czechoslovakia 12959
  diseases 64241
  ecology 73785* 92568*
  Ecuador 29610*
  eggs 73778 92560
  Europe 21340 47072 38368* 47071* 47077* 64537*
  evolution 29623
  food and host plants 29197*
  France 55916*
  genetics 38421 47126
  geographic distribution 29602 38378 38377*
  Great Britain 5281 5282 12983 29612
  habits and behavior 29596 38399 55894 63910 21325* 38383* 38385* 38394* 38395* 55899*
  Himalayas 21326
  Hispaniola 5268
  hosts 47072
  Hungary 47076* 64558*

Item

Hymenoptera--Cont
  identification 64608
  illustrations 5327
  India 29601
  Japan 38394* 38395*
  larvae 12949 12953 21332 12980*
  Mediterranean area 29595*
  Mexico 92545
  Nearctic Region 5308 12958 29584 47084 55877
  Neotropical Region 55877 29620*
  Netherlands 55913*
  Nevada 55892
  nomenclature 5267 5292 5304 21347 21352 38406 47119 73773 5318*
  North Africa 82630*
  North America 5267 38374 38417 92545
  Northeastern States 47084
  nutrition 21325*
  Oriental Region 64554 47123*
  Pacific area 38391
  parasites 82628 82629 64740* 92555*
  phylogeny 92556*
  Plummer Island 55891
  pupae 64544
  rearing and breeding 38423 82616 28754* 82783*
  Solomon Islands 64550
  Southeast Asia 55910 55911
  Spain 29604* 47092*
  surveys 29600*
  Sweden 92548* 92549*
  taxonomy 5267 21322 29582 29624 38405 47088 47095 47121 55875 55897 64536 64544 64556 73786 82579 82580 82596 82602 92554 29622* 47066* 47115* 82599* 92542* 92556* 92557*
  Texas 82592
  Thailand 55912 55914
  Turkey 47113*
  types 64530 73771 82609 38418*
  USSR 12951* 38386* 73791* 73792* 92534* 92565* 92566*
  United Arab Republic 21330*
  West Indies 92545
  Wyoming 55892
Hymenothrix 41467
Hysocine SEE Scopolamine
Hyoscyamus niger 69204 33854* 77672*
Hyostrongylosis SEE Stomach worms
Hyostrongylus rubidus 55068
Hyparrhenia 18366 19766 54226 86427*
Hyparrhenia rufa 88693*
Hypenetes (Tillobroma) n sgen 82382
Hypera brunneipennis 4662
Hypera nigrirostris 55753*
Hypera postica 55749 73638
  control 4601 4637 20718 81645
    North Carolina 20763
    Tennessee 29041
    tests 20791
  habits and behavior 5008
  Ohio 55379
  parasites 12497
Hypera salviae 92457*
Hyperaspini 29384
Hyperaspis 29384 82271
Hyperdiplosis phlox 37763
Hyperecteina 21211*

Item

Hyperglycemia 21473 91907*
Hypericicoccus n n 12945
Hypericum 9875 34801 34807 76920
Hypericum elatum 50089
Hypericum hircinum 23998*
Hypericum nummularium 86430*
Hypericum perforatum 91967
Hyperin 43025*
Hyperinsulinism 80555
Hyperkeratosis 37107 62810* 62893*
Hyperlais 47130*
Hyperodes bonariensis 29006
Hyperodes humilis 46453 63908
Hyperoside SEE Hyperin
Hyperparathyroidism 54521
Hyperphosphate SEE Phosphate rock
Hyperplasia 91199
Hyperplatys 29357
Hyperteles 82373
Hyperthyroidism SEE Goiter
Hypertrophic pulmonary osteoarthropathy 91197
Hyphaene 36189*
Hyphales 24500*
Hyphantidium 47130*
Hyphantria cunea 73833 29678* 46530* 46598* 73315* 82066*
  Austria 21432*
  control 12542* 81384*
Hypholoma 41542
Hyphomycetes 77021
  anatomy and physiology 16513
  Eastern States 15864
  in soils 24072 35192 35193
  Jamaica 265
  Japan 67625*
  Republic of South Africa 32970
  taxonomy 58775
  USSR 67593
  Wyoming 240
Hyphydrus elegans nitidicornis 82345
Hypnosis 82835*
Hypoaspis 4784
Hypoaspis marksi 73581
Hypobromites 78343*
Hypocera 82360
Hypochaeris SEE Hypochoeris
Hypochlorites 6499 39487 84028 84065 48093*
Hypochoeris aetnensis 16281*
Hypochoeris uniflora 82585*
Hypochthonoidea n n 29283
Hypocoelus 46859*
Hypocrita jacobaeae 21368
Hypocyrta 86397* 86446*
Hypoderma
  as pests 37594 20681* 63859*
  bibliographies 4483*
  Canada 63868
  control 4496 28914 37547 37610 92023 92043 4483* 4540* 4570* 28827* 28928* 37607* 37556* 55329* 73164*
    Arkansas 28877
    Brazil 12406*
    Canada 55326 81567
    Georgia 91997
    Germany 28913* 46409*
      East Germany 20679* 28893* 37593*
    Italy 4548* 81458*
    Northern Ireland 12415
    Switzerland 81610*
    tests 12391 55334 81517*

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Item

Hypoderma--Cont
control--cont
Utah 63838
USSR 4572* 12393* 28904* 37534* 63834* 81444* 81504*
habits and behavior 5083*
Northern Ireland 4543
reviews 63868
Sardinia 4470*
USSR 82379*
Hypoderma bovis 28903
anatomy and physiology 64437*
control 37541 63833 63853 73134 81543 20665*
tests 46417 63804 81484
USSR 4468* 37592* 55295* 55339* 81499* 92020*
larvae 63805 5083*
Hypoderma lineatum
anatomy and physiology 64437*
control 20647 37541 63833 63853 73134 81543
tests 46417 63804 81484
Texas 55272
larvae 5083*
USSR 4538*
Hypoderma tarandi 29416*
Hypodermatidae 82379*
Hypodiscus aristatus 68300
Hypogastrura 5646*
Hypogastrura subboldorii 56019*
Hypogastruridae 13080
Hypoglycemia 36633 3704* 20313*
Hypolithus bicolor 12803
Hypomagnesemia 11274*
cattle 3464 3554 11652 27756 27760 54346 54403 54419 54427 80299 91105
Great Britain 18125 80416 81027 91075
Netherlands 62688*
prevention 27750
ruminants 19456
sheep 27760 81027 81111
Hypomoea 45220*
Hypomyces solani 50308 77195*
Hypomyces tulasneanus 59073*
Hyponephele 55990
Hyponomeuta irrorella 5401 5540
Hyponomeuta malinella SEE Hyponomeuta padella malinella
Hyponomeuta padella 37726* 73319*
Hyponomeuta padella malinella 12530* 37726* 38525* 73319*
Hypopharynx 92031
Hypophysis SEE Pituitary body
Hyposoter ebeninus 55947*
Hypothalamus 19848 62605 62924 72749 91185
Hypothenemus hampei SEE Stephanoderes hampei
Hypoxylon 24207
Hypoxylon pruinatum 8415 8551 50329 67951 77091
Hypsalonia n g 29754
Hypsathalia n g 64536
Hypsibius convergens 55653*
Hypsibius dujardini 55650*
Hypsiloporus n g 4936
Hyptis 50123
Hyptis radiata 76972

Item

Hysterectomy
cattle 20481 80212
guinea pigs 36957 54681
minks 45807*
rats 36953
swine 4235 20481 46242
Hysteropterum 38289* 47052*
Hysteropterum asiaticum 73743*
Hystrichopsylla talpae 92018*
Hystrichopsyllidae 64726

IAA SEE Indoleacetic acid
Ibadan University College 7779
Ice cream
advertising 22046 13775*
analysis and composition 6228 56709*
bacteria 39288 93372
Canada 39386*
chemistry 65410
consumer preferences 13773 39295 47954 47956 56673
consumption 74757
containers 22078
directories 93269
fat 47919 48045 65519
flavor and odor 13773 30536
flavoring 6382 22046 22085 22086 30625 30675 30680 30687 39295 39375 48067 48070 56673 56699 56766 56783 65497 65537 74867 74887 93429
formulas 83892 30668* 74876*
grading and standardization 56704 6314* 56703*
industry 30658 74645 93269 21999* 47893*
ingredients 6349 6355 6373 13543 39397 48045 48067 48101 65521 65524 65528 74867 93408 83910*
keeping quality 22078
legislation 56706*
manufacture 22010 22085 22086 22094 30625 39352 48037 48072 56783 65497 65507 83883 93417 56761*
costs 6346 6395
marketing 74790 56761*
mixes 22092 83883 83892
analysis and composition 47919
pasteurization 13844 30683 83921*
nutritive value 67137*
packing 6395 93417
properties 13773 74811
quality 6299 22073 22094 56699 93372 56709*
regulation and inspection 6293 13811* 30587* 56706* 56714*
sanitation 6299 13543 30658
situation and outlook 22013
storage 39288 93417
Sweden 56703*
transportation 39324
vegetable fat 30536 74660
SEE ALSO Frozen desserts; Ice milk
Ice milk 48094

Item

Ichnanthus oblongus 32801
Ichneumon 12958
Ichneumonidae
anatomy and physiology 5306
Australia 38378
bibliographies 82639*
Brazil 38389*
collecting and preserving 5275*
collections 12978
Corsica 73767*
ecology 5295*
Europe 38400*
Finland 29599* 47086* 47087*
France 64534* 82578*
Germany 92536*
Great Britain 29612 38409 38467
habits and behavior 64531
hosts 5397 47104 82436 82767 5302*
identification 5279
India 38378
Japan 47104
Kurile Islands 82623
Madeira 47085*
Netherlands 55887*
New Jersey 21342
New Zealand 82656
nomenclature 64569
North America 38417
Northern Ireland 38410
nutrition 12956 29605 38388
Poland 38411*
populations 64531
rearing and breeding 29586 29576* 82591*
Republic of South Africa 73769*
Rumania 92541*
Sakhalin 82623
Spain 82590*
taxonomy 47121 82613 92552 92559 92564 5295* 64534* 82578* 82590* 92541* 92542* 92556* 92566*
Thailand 55912
Turkey 47113*
USSR 38360*
Ichneumoninae 12958 47084 55887*
Ichneumonoidea 29612
Ichthyotoxin 87858
Icterus 62349 55114*
Ictinus angulosus 47252
Idactus 92348*
Idactus verdieri 92380*
Idaho Dept of Agriculture 76693
Idaho Federal-State Inspection Serv 75156
Idaho Grower Shippers Association 75139
Idaho Potato and Onion Commission 75141
Idaho State Grange 7811 15301
Idaho State Horticultural Society 34580 69696
Idiocerinae 47025
Idiocerinus SEE Balocha
Idiocerus atkinsoni 82498
Idiocerus clypealis 38324
Idiolispa 38417
Idioneura ancilla 82909*
Idiophantis 21366
Idiovalgus 73635*
Idopompilus 5270
Idris 5304
Ifloga fontanesii 50058
Ignotomyia n g 38227
Ikomella n g 55855
Ildefonsus 5221
Ilex 41317*
culture 17479

Item

Ilex--Cont
feed 28445
fungus diseases 67907
pests 64068 92200
propagation 43475 43584
soilless culture 33912
varieties 1801 43574 69812
Ilex aquifolium 1209 34131 50525 69852 51357*
Ilex cornuta 34200
Ilex crenata 34200 35371 68065
Ilex goshiensis 11060
Ilex opaca 34200 34735 67769 77026 86925
Illeis 38076*
Illeis gressitti 82220*
Illini variable temperature diluent 71970*
Illinois Agricultural Association and Affiliated Co 76450
Illinois Agricultural Experiment Station report 32597
Illinois Bankers Agricultural Conference 85221
Illinois Crop Improvement Association 84962
Illinois Fruit Council 17282 78021 84244
Illinois Horticultural Experiment Station (Carbondale) 78024
Illinois 600-Pound Butterfat Cow Club 54485
Illinois State Grange 32244 49528
Illinois State Horticultural Society 17282 78021
Illinois University
College of Agriculture 40819
Veterinary Medical Research Center 53867
Illite 43989*
Ilyocoris cimicoides 38305
22,26-Imino-cholestane 16959*
Imms General Textbook on Entomology 4309
Immunization 71729 90577 90734 11221* 19570* 27416* 45248* 53902*
SEE ALSO Antigens and antibodies; Serum; Vaccines; and UNDER names of animals and diseases
Immunochemistry
conferences and congresses 94865
Imparipecten n g 12874
Imparipes 4934*
Impatiens 25765 60289
Impatiens balsamina 949 68419
Impatiens holsti 42976
Impatiens parviflora 1036
Impatiens scabrida 8711*
Impatientinum 29533
Impeccantia n g 38227
Imperata cylindrica 1917 9926 70982
Imperata exaltata 70982
Imperial College of Tropical Agriculture SEE St Augustine Trinidad Imperial College of Tropical Agriculture
Imperial Forestry Institute SEE Oxford University Imperial Forestry Institute
Impiego Combinato delle Techniche Agricole 32008*
Impietratura
citrus 59129 59176
Implements SEE Tools; and names of implements
Imported cabbageworm SEE Pieris rapae
Imported fire ant SEE Solenopsis saevissima richteri

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Item

Imports SEE Trade; and SUBHEAD trade UNDER specific subjects
Incacoris n g 64480*
Incaparina 94827
Incarvillea 41389 15820*
Incentives 32589
  Africa 85167
  Germany 57762*
    East Germany 94214* 94234*
  Great Britain 6269 6273
  Hungary 14753* 14801*
  India 23120
  Rumania 75922*
  Texas 65649
  USSR 7429* 14755* 31769* 31776* 35923* 40378* 40640* 49103* 57753* 57758* 66444* 66450* 66457* 66468* 75911* 75914* 75925* 85282* 85308* 85315* 94228*
Incisitermes n g 21493
Inclusion bodies
  animals 46251* 72762*
  insects 4879 55622 73518 73578 92632 46728*
Inclusion body rhinitis 4270* 28676* 37348* 91834*
Income 7402 31757 38914 40296 47765 49044 56366 56393 57709 75653 75825 75862 76075 76087 85253 94188
  Alabama 14722 40266
  Arkansas 7611 49424
  Austria 66394*
  Canada 32109 40260 66417 66423 75854 75893 85194 94513
  Chile 66427*
  conferences and congresses 56449
  Czechoslovakia 57710*
  Delaware 23044 65265
  developing areas 23411
  Europe 85330*
  Florida 23045 40335 75895
  France 31731*
  Germany 14726* 15170* 23043* 57856*
  Great Britain 23266 40242 40331 40334 85244
  Hungary 31732*
  India 14608 14723 32003 40332 57953 93124
  Indiana 32131
  Iowa 94545
  Italy 49043* 49177*
  Japan 13455 14982 83370* 85246*
  Louisiana 76249
  Michigan 22994 57649
  Middle Western States 31733
  Missouri 57705 57706
  national 38931 49173 49043* 57707*
  Netherlands 94189*
  New Jersey 94160 94491
  New York 14720 40554
  New Zealand 66424
  North Carolina 57711
  Norway 32053*
  Ohio 14727 57712 94191
  Pennsylvania 75894
  Poland 21804* 57708* 66418* 66419* 74446* 75896* 94464*
  policies and programs 23042 58269 58270 74453 93138*
  Prince Edward Island 32109
  Scotland 85437
  situation and outlook 7401 14721 23046 40330 49041 49045 49141 56450 66426 66453

Item

Income--Cont
  Southern States 14724 31874
  Spain 31734* 40267*
  statistics 14720 49042 57715 66420 85196
  supplementary 23041 58148*
  Sweden 94500*
  Tasmania 85245
  USSR 7373* 7399* 7571* 14725* 57714* 66373* 66386* 66422* 66428* 94190*
  Uruguay 40708*
  Utah 15109
  Virginia 7415
  Wyoming 7400
  Yugoslavia 49046*
  SEE ALSO Taxation, income; Wages; and SUBHEAD costs and returns UNDER specific subjects
Incorporated Oil Seed Association 40044
Increment borers 53223 44689* 44697* 44698* 61780* 71063* 90106*
Incubation SEE SUBHEAD hatching UNDER Poultry and kinds of poultry
Incubators 47326 74007* 91565* 91585* 92743*
  lighting 64816*
  sanitation 28283 46065 45964*
3-Indazoleacetic acid 8994
Indebtedness 85226* 94336*
Indemnities SEE UNDER Fruit; Land
Index-Catalogue of Medical and Veterinary Zoology 90735
India Agricultural Administration Committee 79971
India Council of Scientific and Industrial Research 86260
India Dept of Co-operation 32301
India Market Intelligence Authority 56380
India Ministry of Food and Agriculture 76661
India Ministry of Irrigation and Power 89849
Indian Agricultural Research Institute 8102 23843
Indian Botanical Society 41272
Indian Central Coconut Committee 48298
Indian Central Cotton Committee 25400 74984
  Technological Laboratory 22217
Indian Central Tobacco Committee 85097
Indian Coffee Board 6135
Indian Council of Agricultural Research 8096 32598 86261
Indian Jute Mills Association 13959 48210
  Research Institute 84054
Indian Lac Cess Committee 37471
Indian Paper Makers Association 79539
Indian Society of Agricultural Statistics 15614
Indian Sugar Manual 22850
Indian Tea Association 21952
Indiana Academy of Sciences 41109
Indiana Agricultural Experiment Station
  Creamery License Div 7762
Indiana Crop Improvement Association 34353
Indiana Farm Bur Cooperative Association 58221
Indiana Horticultural Society 78022

Item

Indiana Poultry Blue Book and Buyer's Guide 37123
Indiana State Dairy Association 56597
Indiana State Employment Serv 31764
Indians
  attitudes 40837
  Canada 35073
  culture 85810
  economic and social status 31687
  education and training 58179
  farming 36922
  forestry 35853
  health services 40837
  Mexico 94613
  Panama 76367
  social organization 85810
  South Dakota 76375
Indican 11784*
Indicateur Lahure 40835*
Indicator papers 56666*
Indicine 34295
Indigestion
  cattle 27609 27686 91016 3551* 19821* 27779* 54254* 54309* 90989*
  ruminants 53766* 90590*
  sheep 28488
Indigofera 67401*
Indigofera astragalina 15727
Indigofera hirsuta 15727
Indigotin 1259 9230
Indo-U S Technical Co-operation Programme 40470 49156
Indole 1354 11147 59769 60365 68052 69245 88241 25155* 34303* 34304* 43002* 56662* 84866*
Indole-3-acetic acid SEE Indoleacetic acid
Indole-3-propionic acid 1214
Indole-3-pyruvic acid 34293*
Indoleacetic acid
  effects on plants 1214 8858 9090 9187 9213 16373 16623 16634 16723 16831 33940 34144 42312 42474 42548 42630 42844 50961 51052 59817 87890 1070* 9075* 9208* 24822* 24888* 24942* 51107* 53360* 60263* 68974* 79295* 87564* 87664* 87778* 87914* 87972* 89677*
  in plants 1296 1354 8858 9186 9221 34329 39743 42580 42635 51258 60365 87652 9121* 24899* 33854* 77644* 87896* 87951* 88219*
  in soils 61189*
beta-Indoleacetic acid
  effects on plants 9046* 24875* 34108* 42653* 60218* 77535*
  in plants 9302* 34268*
Indoleacetic acid oxidase 9131 9132 9231 9295 16696 16907 68820
Indoleacetonitrile 42580 69188*
Indolebutyric acid 25161 87898 68811*
beta-Indolebutyric acid 34184*
Indolpium 82116*
Indolyl SEE Indole
Indolylacetic acid SEE Indoleacetic acid
Indolylacetonitrile SEE Indoleacetonitrile
3-Indolylbutyric acid SEE Indolebutyric acid
Indotermes n g 21503
Indotermes maymensis 21503

Item

Indotermitidae n fam 21503
Industrial fumes SEE Air pollution
Industrial Waste Conference 13454
Industrial wastes 17646 18561 78539 43554*
  fertilizers 18613* 70928* 89706*
  in greenhouse heating 74320* 74325*
  in soil heating 13413*
  utilization 30721* 31647*
    conferences and congresses 13454
Industrialization 40780 48993
  Asia 85692 85697
  Germany 40277*
  Great Britain 14674
  Indiana 22975
  Iowa 49009
Industry
  and agriculture 7338 7351 22959 22965 40248 48993 57630 57632 57640 66453 67144 7347* 14664* 48996* 85155* 85169*
  California 94123
  Canada 57622
  Denmark 36267*
  France 66312*
  Georgia 13457
  Germany 58116* 76389* 94136*
  Iowa 23405 49009 75842
  Italy 75835*
  Japan 13122
  Mississippi 31679 40271
  Pakistan 94127
  Pennsylvania 22952
  Republic of South Africa 15126
  Rhodesia and Nyasaland 22980
  Rumania 56516*
  USSR 40283 75823* 76005* 94635*
  and forestry 53451 62002 90223 71001*
  rural 15280 40780 58172
    Appalachians 94692
    France 58177*
    Great Britain 7795
    India 7391 32199 40823 40849
    Italy 7755* 78805*
    Pakistan 32193
    Pennsylvania 23438
    Virginia 49379
  SEE ALSO Human nutrition, in industry; and UNDER specific subjects
Inermaegocidnus n g 46817*
Infarcts
  reviews 36327*
Infectious bovine rhinotracheitis SEE Rhinotracheitis
Infectious chlorosis
  apples 59135
  tomatoes 87075*
Infectious degeneration
  grapes SEE Fanleaf, grapes
Infectious diseases SEE names of diseases; and SUBHEAD infectious diseases, and classes of infectious diseases UNDER Livestock and names of animals
Infectious keratitis 80266 91116
Infectious necrotic hepatitis SEE Black disease, sheep
Infectious pustular vulvovaginitis SEE Coital exanthema
Infectious swine paralysis SEE Teschen disease
Infectious synovitis 20184* 28252* 28253* 37045*

*Text of this reference is not in English.

Item

Infectious synovitis--Cont
causes 45958
diagnosis 91534
treatment 45990 63327
Infectious variegation
citrus 59141 77225 77228*
Infiltrometers 2061 52374 52382 52427
Inflammation 11313* 27304*
Inflation 93133 31735* 66429* 83600*
SEE ALSO Prices
Influenza
ducks 11974*
horses 63155 63174 54653* 72389* 72392*
virus 45348 63155 63174
SEE ALSO Laryngotracheitis; Rhinopneumonitis; Swine influenza
Information SEE Advertising; Extension work; Public relations
Information sources 7837 23524 31898 40542 40875 49775 57954 76382
Infrared rays
effects on animals 56109 12237* 79739*
effects on plants 9073 9112 42459
effects on seeds 10762
in agricultural products processing 83142 83534 13277*
in cellulose analysis 39546 71582
in entomological research 20551
in fats and oils analysis 7040 31409* 75565*
in fiber analysis 6473 48191 48258* 65646*
in food processing 30273 39042* 75193*
in hay processing 56201
in insecticide analysis 4333 4380 4385 4428 91972
in lignin analysis 36119
in malting 75293* 75294*
in meat analysis 14339
in milk analysis 6214
in soil analysis 43920 52533*
in sugars analysis 75720*
in tea analysis 39134
Infurcitinea 47182
Infurcitinea banatica 5499
Infusions SEE Injections
Infusoria 90712*
Inguinal hernia 11762 28030 45778 90882 3675*
Inhalers 79949
Inheritance 7696 32205 66944 75898
SEE ALSO Wills; and UNDER Farms and farming; Land; Taxation
Injections 11346* 19458* 36230* 36234* 71787*
cats 63020
cattle 63853 80213 80459 3496* 3575* 11698* 36592* 45579* 80470*
dogs 11779* 63062*
horses 3783 20086*
insects 4642 20667
poultry 20266
rabbits 46091*
sheep 4110 63458 63464 72858*
swine 4223 12276 46258
Inocybe 16891
Inonotus obliquus 42241
Inositol 8786 40041 50801 51524 75643 77470 82869 88182
Inositol hexaphosphate 78332

Item

Input-output analysis 6098 10395 14695 14970 14998 15002 15048 23246 23308 23490 31953 31958 31966 32023 35409 40558 40575 40625 49239 49253 49266 57588 57632 57963 64801 66646 66662 66667 76086 76087 76097 76128 76190 78537 85496 85557 85583 85587 94361 94362 15079* 26629* 27611* 46199* 49224* 66638* 74091* 75380* 76181* 86281* 94381* 94426*
Argentina 40755*
Arkansas 49285
California 10412
Georgia 58025
Germany 15028*
Great Britain 40591
Hungary 7619*
Illinois 66677
India 94355 94368 94369 94380 94397 94437 94439 94441
Iowa 94503
Japan 85535
Louisiana 49285
Minnesota 57919
Mississippi 49285
Netherlands 94420* 94455*
Poland 66623*
Portugal 15000*
Scotland 85437
SEE ALSO Linear programming
Inquilina n g 38393
Insectaries 4732 73613*
Insecticidal fogs, mists, smokes SEE Aerosols
Insecticide Fungicide and Rodenticide Act 8006 58375
Insecticides 58364 73081 67744*
adjuvants 29087 46397 55205 55309 63740 73254 81439 81551 81714*
alfalfa pest control 4637 4655 20763 28965 37632 37633 46467 46519 55450 81645 20757* 46422* 46493*
analysis and composition 4333 28799 28800 55203 63712 63726 4388* 20571* 37491* 37492*
ant control 29129 29130 29128*
antidotes 81449
aphid control 12339 28793 28986 20584* 46488* 46549*
apple pest control 4691 12565 12571 12582 20827 29074 46565 64000 73281 81762 81763 92158 4678* 4680* 46559* 46600* 81747* 81773* 81781*
application 12338 12558 20595 20812 28761 46328 55198 55216 55334 55395 55521 63740 63759 73081 81532 12442* 29063* 30036* 37494* 37666* 46329* 50214* 63973* 63977* 63990* 73266* 81881* 91950*
equipment 4406 4454 4727 28783 28966 46333 55428 55369 63819 63966 73078 73130 73325 81396

Item

Insecticides--Cont
application--cont
equipment--cont 81530 81549 81607 46315* 55196* 55245* 73102* 91965*
research
statistical methods 55174
arthropod resistance 63762*
artichoke pest control 37663*
avocado pest control 12576* 92165*
banana pest control 4704 55479
bean pest control 81648 46507* 55453* 92078* 92081*
berry pest control 37751 37752 37753 46552 73309 73310
British Commonwealth 91959 91960
Bulgaria 336*
cabbage pest control 12504 12524 29001 46340 63838 63893 92106*
cacao pest control 37744
carrot pest control 46503
cattle pest control 4473 12378 12380 28840 46380 55263 55289 55357 55359 55369 63809 63822 73162 73169 81481 81573
cauliflower pest control 92057
chemistry 73105 20631* 63784* 73107* 81400*
cherry pest control 46537* 46563* 92194*
citrus pest control 4675 12594 20811 20836 37693 37720 37745 55486 92173 12549* 37736* 55506* 81798*
clover pest control 55471 46461*
coconut pest control 12535 29077
coffee pest control 29072* 29084* 37711*
compatibility 12365*
conferences and congresses 4332 73070
consumption 12356 81392 67741*
contact 4467 12389 12665 12666 28767 46352 64104 73395 81472 81845 81861 12346* 20772* 20887* 29055* 29171* 46470* 46488* 73068* 81414* 92102*
corn pest control 4605 4663 4664 12493 20769 20737 20793 46480 55417 63884 73260 12442* 12453* 20734* 46464* 46471*
costs and returns 15516
cotton pest control 4599 4616 4640 4650 4661 12445 12455 12459 12486 12498 20737 20741 20781 20799 28971 28987 29014 29048 37679 37681 46430 46431 46481 46483 46511 46520 55385 55411 55439 55466 63950 73071 73193 73201 73227 73238 81627 81658 81683 92094 20705* 20706* 20709* 20739* 28957* 28970*

Item

Insecticides--Cont
cotton pest control--cont 29003* 37615* 37627* 37635* 37672* 46427* 46496* 63914* 73211* 81676* 81708* 92084* 92091*
cranberry pest control 4708 20829 55515
date pest control 12544
deposits 12358 46326 46601 55216 81439 81529 46571*
determination 13447 31247 65100 4388* 22740* 65086* 65091*
directories 55231 73078 81393
dosage 4340 4372 4528 4529 4531 12446 12626 81845 91988*
effects on animals 28797 46379 63750
reviews 3079
effects on eggs 55305
effects on insect populations 37740 64000 64019 81471 46568*
effects on mite populations 12445 20841 63753* 64009*
effects on plant disease 16005 20701 59067* 73259*
effects on plants 4343 4629 4647 4658 12509 12597 29108 37740 41664 46495 46510 46542 55449 55454 63763 73065 73238 81569 81615 81630 92060 92117 37447* 63951* 73069* 73296* 81619* 91990*
effects on seeds 20750*
effects on soils 12359 73397*
electrically charged 46316
emulsions 20638 81383 81720 20845* 46562* 81534*
fertilizer mixture 4603 4647 20703* 28972* 55394* 73265* 91950*
field crop pest control 29042 37504 55389 92066 92076 92125 26208* 92108*
flax pest control 73235* 73237*
flea control 37540 64043 37597*
fly control 4576 12387 20624 28758 28834 37521 37551 55268 55306 55356 63720 73169 81476 81573 81602 81772 20649* 20660* 81514*
food pest control 64061 81864 55539* 81891* 81892*
forage plant pest control 4659 20755 46487 55389 73194 92073 92120 37666* 55407*
forest pest control 4773 12626 12640 29146 46634 46644 46661 55558 55571 73396 12644* 12659* 12661* 12669* 20905* 37817* 46635* 64099* 81895* 92244*
formulations 4327 4367 4446 4448 4449 4544 12407 20598 28795 28796 46380 46495 55368 55428

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Item

Insecticides--Cont
formulations--cont
63771 73071 81493
91961 41689* 55165*
55173* 67930* 81714*
France 24144*
fruit pest control 4700
4705 12555 20802
20820 20844 29058
29069 29104 37698
37708 37727 37733
46533 46553 46573
46580 46586 46596
55490 63997 81750
81758 92159 12574*
12589* 20806* 46526*
46546* 46548* 46568*
55497* 73266* 73271*
73293* 73295* 92142*
92145 92147 92150*
92151* 92174* 92175*
92180* 92188*
fungicide mixture 12598
12463 44265 63769
Germany 33082*
grading and standardization
23767 37456
grain pest control 12487
20729 28955 46482
55389 81724 55409*
granulated 12342 20598
46370 46376 47368
55184 55479 46507*
alfalfa pest control
20718 20791 55440*
ant control 4726
application 5733 29991
46333 73130
corn pest control 12438
20700 29037 73229*
cotton pest control 28972*
28973* 73225*
deposits 29991
fly control 46388
forage plant pest control
73206
history 55225
mosquito control 12407
20620 28847 28921
55309 81498 81530
properties 4361
residues 12461
reviews 55225
soil pest control 20690
20702 63881
sugar beet pest control
81712*
tree pest control 81893
vegetable pest control
4652 20707 28979
wheat pest control 20797
grape pest control 12537
29088 55517 81817
81818 37728* 46587*
grasshopper and locust
control 4377 4399
20588 28794 73073
Great Britain 33186
greenhouse pest control
64031
hazards and safeguards
4330 4400 4409
20597 20850 28930
29042 37454 46325
46463 46576 55278
55289 63769 64061
73245 81411 81422
81449 81486 12324*
12325* 12343* 20606*
20872* 37553* 46496*
63743* 81367* 81442*
94846*
herb pest control 4686
55488
herbicide mixture 4398*
history 63722
household pest control
4736 12611 12612
29134 37504 46348
46629 55542 55548

Item

Insecticides--Cont
household pest control--
cont
55549 64042 64045
64055 64056 73084
73349 73354 81852
92206 4730*
human parasite control
81467
human pest control 4547
28859 28871 28929
46407 92021 46383*
in soils 4358 4432
4435 12337 14070
37464 55167 55198
55449 81399 92222
92223 46360* 46593*
India 55163
industrial pest control 4736
12609 37779
insect resistance 4324
4325 4326 4328
4335 4338 4362
4363 4374 4416
4423 4447 12322
20673 28745 28749
28758 28771 28776
28779 28795 28796
46339 46344 46359
55171 63720 63734
63799 73085 73099
81363 81369 81385
81395 81438 81466
37581* 46314* 46350*
55173* 55199* 55224*
63747* 73112* 73117*
conferences and
congresses 4420
policies and programs
4379
situation and outlook
4331 4351 4375
4386 4394 4425
55244*
tests 4340 4372 4415
4421 4431 73110
insect sources 55214*
Italy 8384*
Japan 63755*
kenaf pest control 92110*
labeling 29172 81526
legal aspects 81575
legislation 55191 320*
legume pest control 46454
81683 92126
lettuce pest control 46452
55457
livestock parasite control
20629
livestock pest control 12423
20624 20642 37504
46402 55268 55358
55370 81464 81477
81526 81575 81602
4582* 20649* 28910*
37482* 37577* 55351*
louse control 28861 46381
mango pest control 63980
manufacture 4375 20598
73113
marketing 4392
Mauritius 63776*
Mexico 37458* 81380*
81382* 91952*
Minnesota 81408
mite control 4643 4686
20809 28750 81748
12352*
mite resistance 55164
20603* 28807* 73077*
mosquito control 4495
4536 4554 4578
20654 28829 28845
28849 28891 28892
28920 37588 55267
55280 55317 55331
55332 55356 55368
73178 81395 81476
81480 81510 81511
81548 81592 73152*

Item

Insecticides--Cont
mosquito control--cont
reviews 55366
museum pest control 81426
63756* 64072* 64095*
names 12367 81368
Nebraska 4370
nut pest control 4696
4701 12558 20823
55495
oat pest control 4633
63926*
oil 12540 29104 46352
55508 92203 20845*
28816* 37444* 73397*
oil crop pest control 20722*
29017*
olive pest control 4693
4703* 20852* 29098*
29099* 29100* 37704*
37737* 37742* 46585*
64016* 64017* 81766*
92160* 92181*
onion pest control 28985
37659 55410
ornamental plant pest
control 20860 37765
46603 46609 55523
64029 73325 73329
81823 46611* 73285*
particle size 12642 81592
pea pest control 46428
81725 12462* 92102*
92111* 92192*
peach pest control 4674
20815 20849 81805
81807 4677* 63976*
63977*
peanut pest control 55421
63890 81620 46423*
pear pest control 12528
12564 81769 4677*
4680* 20854*
Pennsylvania 4412
physiological action 4376
4551 12326 20608
28773 28795 28796
28964 37489 46335
63787 73099 81363
81395 81472 81476
81512 81522 81592
81763 4427* 12331*
20631* 29066* 37491*
37492* 37544* 46415*
46470* 46488* 63747*
91976*
plant pest control 4445
55210 73108 81628
12374* 29022* 37482*
37494* 37503* 46470*
46476* 63765* 63779*
81698* 91976*
plant sources 28780 42835
55190 55192 64158
73079 46415* 81381*
plum pest control 12562*
92193*
policies and programs
73063
potato pest control 4598
4624 12508 12509
20701 29011 55423
81689 63904* 63919*
92131*
poultry pest control 4462
12879 28834 28861
37504 46384 55268
55342 55343 81460
81461 92045
properties 46370 55198
20631* 46337*
public health aspects 4537
28926 37608 81486
81518 81442*
quality 28768
redpepper pest control
20721 81647
regulation and inspection
332 12316 41628
92012*

Item

Insecticides--Cont
research
statistical methods
73091 81387 81395
81415 91956 63747*
91988*
residual effectiveness
4358 4595 12358
12389 12401 20638
20796 20884 28772
28845 37804 46318
46326 46370 46397
55217 55267 55317
55412 55542 55566
63720 73084 73122
81510 81511 81529
81583 81861 91946
63788* 63814* 73125*
81401*
residues 4400 6683
13447 13496 20816
22121 22405 28744
30418 31247 38902
46468 57024 65100
65174 65755 73075
74408 74487 75098
75601 81719 6954*
22647* 22740* 40078*
46529* 46571* 50247*
56430* 57400* 65072*
65086* 65091* 67930*
67944* 83842* 91953*
91969* 91971* 92007*
92153* 94846*
determination 12370
55203 66267 92222
92223 63731* 73083*
73126* 75606*
rice pest control 4597
4632 37631 37656
55447 81663 81640*
81714*
rodent control 12317*
Scotland 81411
seed pest control 46329*
46362*
selective 4423 4347*
46546* 81401*
sheep pest control 4593
12401 12417 28870
46403 63817 81578
situation and outlook 12363
28743 63741
soil pest control 4595
20564 29005 46359
55391 55395 55522*
63944* 81699* 81733*
solvents 4359
sorghum pest control 12499
spider control 20676*
squash pest control 28954
stability 4359 4544
63750 63780 55213*
statistics 83581
storage 4359 28803*
storage pest control 4739
12609 20865 29133
37773 46618 46620
46621—46623 46633
55531 55532 55553
64051 81845 81847
81861 92207 20872*
55538* 81856*
strawberry pest control
37754 55504 63974
81746
Sudan 63954*
sugar beet pest control
44265 46436 46441
46456 81659 46429*
55426* 55459* 73214*
81651* 81694* 92062*
92088* 92096—92098
sugarcane pest control
4626 20744 20796
28989 29000 37647
37655 46468 55425
92083*
sweetcorn pest control
4660 20711 46460
73252

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Item

Insecticides--Cont
sweetpotato pest control 92136*
swine pest control 4542
synergism 29039 37466 46381 63713 73099 81387 4427* 28927* 63768* 91973* 91977*
synthetic 12333 20601 20604 81771 4629* 37491* 73125*
systemic 20559* 73080* 81421*
aphid control 12471 12599* 46540* 55429*
application 55272
cattle pest control 12391 20647 28877 28914 37598 63804 63853 91996 91997 92023 4483* 4540* 28928*
coffee pest control 28988*
cotton pest control 28984 28999 81614 81661 20703* 20772* 20774* 28972* 28973* 37634* 81619*
effects on plant disease 16159
effects on plants 81690
field crop pest control 81722*
flea control 81557 92016
forest pest control 37836*
fruit pest control 55505 81782 29065*
lettuce pest control 29045
livestock parasite control 80185 92043
livestock pest control 4481 4571 12389 46397 55272 63783 81484 81567 92043 55329*
mite control 12599* 29055* 92000*
olive pest control 81738*
ornamental plant pest control 64028 92198*
peanut pest control 46440*
plant pest control 63783 20693*
potato pest control 46451 73259*
residues 20774*
rice pest control 12444 81662*
sheep pest control 73141
sugar beet pest control 73197*
tick control 4496
tree pest control 9033 12629 20859 12649* 20883*
vegetable pest control 4652 20748 55472 81653*
tea pest control 55480
termite control 20923 29077 29157 37804 55566 55595 73116 73358 81868 92233 92241
tests 4481 4607 37712 46348 46381 46430 46431 46452 46483 46644 55216 55404 63855 63863 73084 73141 81415 81416 81592 81641 81861 4347* 12346* 20772* 29140* 37447* 46415* 46470* 46557* 46558* 46600* 55444* 65072* 73203* 92108*

Item

Insecticides--Cont
textile pest control 46632 55530 73332
tick control 73133 81532
tobacco pest control 20708 28959 29036 46510 55374 53377 81679
tolerances 67169
tomato pest control 12458 46446 63913 46498*
toxicity 28770 12343* 22647* 28774* 56430*
aquatic life 12335 12336 20568 20610 63793 81406 81569 12346* 28816* 46346*
reviews 63714*
bees 4838 12681 12694 20934 29183 46674 46677 55621 63793 73442 81965 81999 92281 29171* 37622* 37843* 37899* 64170* 92286*
beneficial insects 4429 30418
birds 55560
earthworms 81377
fish 4348 12335 20568 28791 46346*
reviews 63714*
insect parasites 64019 92057 12659* 46540* 63967*
insect predators 81663
livestock 12419 46387 55371 81562 90666*
man and animals 4330 20850 28930 37608 55278 55542 73105 81486 91947 91971* 92012* 92014*
reviews 20687
wildlife 4345 12396 63721 63793 91947 55222* 73067* 81427*
reviews 4344
tree pest control 4756 20901 20927 46609 46662 46667 46745 55559 55580 73381 73382 81876 20893* 20915* 37837* 81889* 92242* 92246*
turf pest control 12604 20861 64029 73330
utilization 20570 37454 46332 81393
vegetable pest control 37644 37653 37765 46443 46463 46494 55382 55390 55422 63891 73245 81615 81681 92079 73200* 73224* 81680*
weevil control 4667 20765*
wheat pest control 4619 37651 46434 63901*
wood pest control 12643 12665 12666 20884 20918 55576 29160* 37795* 46636* 64072*
SEE ALSO Acaricides; Aerosols; Baits and traps, insects; Carbamates, insecticides; Chlorinated hydrocarbon insecticides; Cyclodiene insecticides; Dusts and dusting; Fumigants and fumigation; Larvicides; Organic phosphorus insecticides; Ovicides; Sprays and spraying; names of insecticides; and SUBHEADS contamination; insecticidal UNDER specific subjects
Insectivorous plants SEE Carnivorous plants

Item

Insects
adaptation 4350 5187 8010 29528 37951 12745* 21022* 29239* 64359* 64391* 92593*
Afghanistan 5285 38229 5032* 5646* 29483* 46824* 82116*
age 4902 5078 5178 5249 12322 21195 64456 73149 82298 82418 21136* 29233* 38434* 64398* 82252*
determination 5002 12910*
allergenic 20634 46369 46412 55251 73160
anatomy and physiology 4867 4889 4890 4895 21018 21387 29255 37951 37956 37985 45239 46623 46735 46743 46768 46774 55633 55648 63734 64044 64272 73513 82077 82078 82083 82089 82108 82109 92308 92310 4427* 12725* 29239* 29274* 37977* 46731* 46752* 55645* 63748* 63754* 63826* 64236* 64268* 73371* 73511* 73532* 73536* 92303* 92309*
bibliographies 37973*
reviews 37968 46772
and bacteria 21405 73460 73671 5575* 13066* 21471* 64115*
and disease 4325 4415 20656 28859 46385 46407 81518 81594 81601 20626* 20643* 28853* 29252* 37544* 46373* 53885* 62444*
Alabama 12402
California 28887
Chile 4560*
Congo 37557*
Czechoslovakia 37589
France 20670*
Italy 4522*
Kenya 4537
Malaya 81538
Morocco 28864*
Pacific Northwest 28889
reviews 4589 55302 37557*
USSR 63811* 92025*
and fungi 5027 5199 12613 28856 73520 81759*
and microorganisms 5046 5118 5203 5209 5313 5557 12832 21143 12972* 36355* 64704* 92473*
and plant disease 12452 12588 20701 20712 29080 29535 68005 73218 87011 4670* 29252* 46459* 55587* 63789* 73109* 73207* 73259* 81391* 92062*
and viruses 12862 20616 20640 20652 20764 20776 21321 46420 46700 47184 55234 55284 55420 73176 81469 81570 91989 37652* 46459* 55430* 55732* 73109* 73415*
Antarctic Region 37965 37967
Arctic Region 46739 37455*

Item

Insects--Cont
as feed 13014 29471 55632 55644 55925 63796 64240 64271 82082 82097 21030* 46760* 46767* 55636* 64251* 81409* 82085* 92304* 92305*
as parasites 4429 12560 20813 21025 21407 21443 37483 37803 37997 47073 55499 63905 64545 81774 81897 82519 82586 4866* 37476* 38459* 46404* 63719* 63752* 82675* 92227* 92623*
Australia 81808
Bulgaria 37822*
Connecticut 12633
Estonia 63999*
France 46538*
Great Britain 64580
Hungary 64627*
identification 37452*
India 38327
introduction 4683 12460 20811 63798 63958 73123 81877 20821* 29106* 37479* 63791*
Australia 63967 64015
California 46569
Canada 4384 12485
Delaware 46516
Eastern States 12497
equipment 55511*
Hawaii 4342 4673
Indonesia 73306
Pakistan 46582
Poland 37824*
Taiwan 92077
Italy 92139* 92568*
Japan 92251*
Latvia 63982*
Michigan 29138
multiparasitism 5397
Pennsylvania 29138
Poland 4710* 46647* 47162*
Republic of South Africa 38413
Rocky Mountains 21426
Rumania 46883*
USSR 46353* 46891* 63975* 64699* 64712*
as pests 4573 12617 46390 55337 81434 81518 81599 81863 91974 92204 28910* 37455* 46373* 46566* 46613* 46660* 55552* 63835* 63847* 63866* 64085* 73335* 81950* 91991* 92074* 92216* 92248*
Aden Protectorate 20760
Africa 12583* 37667* 46579*
Arizona 41586
Australia 4656 4672 12651 28830 55541 55554 92154
Belgium 46458*
Brazil 73190*
Bulgaria 63984* 92121*
California 20804 29083 81812
Canada 12561 20840 37480 73092 73093 81672
Colombia 29018*
Congo 12429*
Connecticut 12548
Costa Rica 12583

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Item

Insects--Cont
as pests--cont
developing areas 46377
Florida 20716 20779
France 20670* 86608*
Germany 12655* 46889*
64040* 73153* 73337*
73338* 73341*
Ghana 81753 81880
Great Britain 12430
73345 81639
Hawaii 4753
Hungary 12615* 20710*
Illinois 73325 81780
India 4698 12476
12585 12648 20704
29156 55220 55414
64003 81366 91945
Indiana 37486
Israel 20561*
Italy 92139*
Japan 12482* 12489*
Kansas 4655
Kenya 4665 29110
81730 12658*
Latin America 55397*
Latvia 63982*
Lebanon 81813 12491*
12652*
Lithuania 92105*
Malaya 82231
Mauritius 81731
Mexico 4614* 12456*
Morocco 81696*
Netherlands 12632*
New York 8391
New Zealand 12465
55432 81634 92053
Oregon 73291 73302
Pacific Northwest 55593
Pakistan 81613
Papua and New Guinea
12592
Poland 29149* 46492*
46521* 86697*
Portugal 64109*
Republic of South Africa
20911
Réunion 81731
Rhodesia and Nyasaland
20778 20781 20807*
Rumania 24167* 46449*
South Carolina 20780
Southern States 20874
20913
Sudan 37667* 63954*
surveys 4444 20576
20754 46745
Arkansas 81625
Australia 20592
63775
California 77033
Canada 15883
28784 46653 63764
73092 77035 86689
China 37703*
Florida 46589
Germany 28875*
Illinois 37818
India 92148
Japan 92169* 92170*
Liberia 20662
Michigan 24151
Minnesota 81418
Netherlands 4424*
Panama Canal Zone
81463
Poland 12743*
73104*
Texas 28760
USSR 20692* 64117*
73087* 91968*
Wisconsin 20770
20838
Wyoming 4355
81388
Sweden 64049
12619* 20747*
Syria 81813

Item

Insects--Cont
as pests--cont
Texas 55446
Tripolitania 81376*
Tropics 81848
37455*
Tunisia 29057*
Turkey 46630 37646*
46554* 46659*
USSR 55590 63895
4770* 12437* 12496*
12517* 20782* 20886*
28946* 29158* 29165*
46366* 55313* 55413*
64033* 64053* 73195*
73246* 73301* 73371*
92019* 92088* 92141*
Uruguay 12376*
Virginia 81744
Yugoslavia 28766*
29142* 46652* 73400*
81900*
as pollinators 4346
12364 20792 55195
55221 55228 64158
64171 73086 92257
77655* 91995*
as pollution indicators
12868 82443
as predators 4429
12560 46567 55499
81663 81728 81774
81897 20710* 37476*
37822* 63719* 63752*
63999* 92139* 92162*
92170* 92251*
introduction 4341
37801 46582 46990
63798 81871 81877
63791*
Asia 64714*
Atlantic Ocean islands
73510*
Austria 64264* 82090*
autogeny 5198 82461
21260*
beneficial 4355 4383
20563 20580 20843
21023 28790 55487
64530 81916 91967
91974 4352* 21302*
46366* 46547* 46645*
46646* 55200* 55402*
55568* 63746* 63800*
91982*
bibliographies 64242
73577*
biochemistry 4376
4387 4390 4414
13052 21005 21184
21389 28786 28795
28796 29199 29479
29701 29716 37481
37999 46916 46968
55792 64511 82539
82758 82830 29231*
46731*
study and teaching 12732
bites 92052
blood-sucking 4487
5156 12405 81520
4572* 12412* 12869*
21007* 28939* 38189*
38336* 55354* 64420*
64452* 82372* 82410*
92485*
control 37611* 55248*
81534* 92019* 92025*
92039* 92056*
Bolivia 38191* 38518*
Brazil 82908* 82909*
breeding places 4864
37992* 38153* 73357*
82094*
Bulgaria 64257* 92299*
caste 21504 29579
37853 21327* 29799*
38591* 64725* 82866*
92551*
Ceylon 73509

Item

Insects--Cont
chemoreception 29227
29430 29733 73795
81405 82496 82510
82764 92421 47204*
73865*
reviews 37972*
China 64256*
Clipperton Island 76915
cocoons 5286 63709
cold hardiness 64049
64625 73692 82365
21398* 55982*
collecting and preserving
5385 46741 55637
73515 73527 21009*
21010* 28778* 64259*
82098*
Asia 49978
Bulgaria 37995*
equipment 4892
12749 29246 37961
37968 46745 64239
73533 73537 82088
82104 37439* 92315*
Great Britain 82100
Himalayas 21326
Pacific area 38006
Persian Gulf 29242*
Poland 82352*
Sumatra 29242*
technique 4315
29256* 37974*
Turkey 82601 37984*
46758*
USSR 46729*
collections 12731 46762
46769 55937 64248
64249 21024* 37974*
46305* 46307* 46962*
47137* 63710* 64255*
73505*
pest control 81426
63756*
color 5271 5621
21014 29249 29491
29772 38184 64383
64408 64475 64587
73529 73833 82378
82692 82905 92634
5579* 12849* 55847*
64367* 64469* 73875*
82746* 92582* 92593*
communication 12739
13048 20955 73795
92300*
Comoro Islands 29261*
conferences and congresses
64266 73510*
control 4762 12560
28764 37454 46323
46352 46407 46603
46621 46623 46631
46633 55170 55229
55230 55231 55463
55535 55585 55594
64034 64035 64059
73108 73194 73333
73334 73343 81372
81441 81649 81846
82083 91974 92046
92210 92215 28924*
46624* 55165* 63735*
63754* 64086* 73062*
73344* 81367*
Africa 46372*
Angola 92155*
Arizona 46520 46609
Australia 64060
Austria 63767*
biological 4391
12373 20762 28812
37454 37474 37483
55162 63737 63759
73788 4329* 4382*
12375* 20573* 28775*
37618* 46568* 55166*
63719* 63744* 63746*
63795* 73365* 81365*
91991*

Item

Insects--Cont
control--cont
biological--cont
associations 4868*
bibliographies 55179*
Brazil 55398*
Canada 4442
20828 63798 81896
92186*
conferences and congresses 4900*
63760*
Czechoslovakia 92128*
Europe 28762*
82066*
France 55493*
Germany 46546*
73082*
Hawaii 4342
history 20810
Hungary 46345*
Mexico 92103*
92161* 92162*
Nebraska 4370
Oregon 81871
Poland 4710*
37824* 73103* 81432*
policies and programs 46343
reviews 37445
situation and outlook
12656 63733
tests 4433 20879
55192 4711* 63718*
Tropics 63725
USSR 4366 63958
20569* 20587* 28762*
28980* 37457* 37499*
46378* 58361* 63782*
63791* 63992* 73114*
73217* 73370* 73380*
Washington 81871
Wisconsin 81874
Bulgaria 92093*
Canada 4747 73260
81655
Central African Republic
20705*
Ceylon 37679 37680
Colorado 55389 55390
conferences and congresses 4661 63897*
Connecticut 28814
costs and returns 4628
28937 64074 81509
55375* 73211*
cultural 4366 4494
4604 4620 46343
46448 81466 81684
81811 12449* 12481*
20728* 28957* 37642*
46512* 63946* 63956*
64069* 73213* 73240*
73241* 73262* 81734*
91957* 92123* 92196*
Cyprus 4694
equipment 12467
29990 37506 46309
46316 46324 46332
46349 74187 81624
81859 29986* 46330*
55597* 73089*
Europe 73088
Finland 38001
Florida 58926 63921
France 55529* 81695*
Germany 73336* 81454*
Great Britain 20729
92224
history 46364 37507*
73100*
Hungary 46490* 73090*
73196*
India 4764 46591
92214
Indiana 81760
Indonesia 92119*
integrated 4637
20811 28891 28959
46460 55457 63737

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Item

Insects--Cont
control--cont
integrated--cont
81774 4352* 12510*
46438* 46546* 73114*
92086* 92145*
reviews 37501
Italy 12454* 12587*
46498* 46627* 73098*
Japan 64084*
Kenya 4537 81847
legislation 20881
Malagasy Republic 20706*
Mauritius 37485*
Mexico 92091*
Middle Atlantic States 46618
Minnesota 81408
Nebraska 4370
New Zealand 92061
Nicaragua 73224*
Ohio 4654
Poland 37503* 46622*
81860* 91976*
policies and programs
4325 4400 4423
12622 24177 29020
32517 46343 55240
55470 55555 55570
73063 73076 81434
92207 46619* 20903*
63767*
public relations 4724
28744
research
statistical methods 12332
reviews 55302 46320*
Rhodesia and Nyasaland 92191
Rumania 73384*
seasonal 4633 12445
12498 12593 12626
55514 73230 20848*
37743* 55522* 63774*
63977* 73212* 73273*
73295* 73390* 92172*
South Carolina 73201
Southern States 55570
Spanish Guinea 81796*
Sudan 63954*
Sweden 81851 81889*
Taiwan 81443*
tests 4389 12338
37473 46335 46451
46483 63724 73099
37544* 55177* 63729*
63747*
Texas 46334 46445
USSR 4572* 29038*
37459* 37493* 37756*
55456* 63918* 63922*
64026* 64075* 73322*
81686* 81687* 81703*
81706* 81711* 92095*
92218*
Utah 55422
Washington 55470
Yugoslavia 4365*
81643*
Cook Islands 4885
cytology 12751 12754
24662 33596 37978
42248 55642 55802
29244* 37920*
reviews 12733 12750
94844 42237*
Czechoslovakia 64260*
desert areas 12977
13069 21133 29394
92307* 92538* 92543*
development 4995 5112
5264 5595 5598
12927 12942 13060
21119 21178 21200
21343 21401 21468
21470 21516 29259
29726 38173 38253
47250 55967 55998

Item

Insects--Cont
development--cont
55999 56008 64272
64422 64447 64701
73715 73726 82330
82348 82373 82417
82418 82504 82523
82618 82640 82714
82769 82842 92440
92448 92461 5124*
5578* 5610* 13018*
13091* 13102* 21096*
21286* 28996* 29240*
29265* 29266* 29270*
29525* 29658* 37977*
38166* 38277* 38333*
46989* 47210* 55625*
55774* 55842* 56009*
64401* 64445* 64654*
73538* 73724* 73822*
81814* 82320* 82545*
82687* 82915* 92354*
92652*
conferences and congresses 29237
diapause 5003 5423 5450
5515 5541 5568
5576 21144 21178
21331 21359 21443
29377 29407 29614
29615 29627 29724
55922 55984 56007
64647 73597 82046
82726 82727 82824
82846 92643 5574*
13091* 21153* 21298*
21338* 21376* 29222*
29253* 29345* 29513*
29635* 29678* 38326*
38434* 47108* 47147*
47159* 55926* 64618*
73693* 73822* 82545*
82647* 82671* 92413*
92571*
reviews 37971
digestion 4974 5261
29374 29745 37981
64202 82388 12880*
20997* 29263* 37871*
disease resistance 73519
diseases 4879 4893
12373 46465 46766
63787 64227 64241
64244 73518 82080
82102 29252* 37500*
46547* 63770* 63795*
82064*
conferences and congresses 64265
induced 4822 20667
47156 47157 55986*
transmission 21321
47170
dissemination 5001
20572 21033 46738
73064 81352 81842
47174* 82514*
by aircraft 12369
20572 46371 64389
by ships 20572
by trains 5181
reviews 37991
ecology 5076 21021
29042 33506 37982
46589 64245 68203
81352 81429 82593
4382* 4866* 20577*
46857* 64252* 73510*
Africa 46372*
Austria 82090*
bibliographies 692
Canada 92295
Czechoslovakia 92232*
France 82072 82073*
Great Britain 12947
37959 73579
Himalayas 702
55638
Hungary 29241* 73504*

Item

Insects--Cont
ecology--cont
Japan 73350* 92169*
Marshall Islands 4877
Micronesia 68203
Netherlands 64237*
New Zealand 46738
North America 73396
reviews 38003 38004*
USSR 12749* 21028*
29023* 29234* 92307*
eggs 5193 5500 12986
12997 21139 55573
81853 92167 55492*
anatomy and physiology
21283 29761 38541
64243 73529 82831
92444 12748* 21421*
hatching 5196 29493
73812 73827 82524
82726 82727 92550
29343* 46588* 47195*
55957* 73724* 82042*
82043* 82044*
embryos 5259 21167
29770 38541 47214
56008 64235 73500
73501 82646 92550
5648* 13063* 13065*
29507* 29525* 37939*
46705* 47210* 64213*
82033*
enzymes 4551 12366
20605 21185 21401
28798 29715 29716
37446 37969 38181
38247 38311 38329
46750 46751 46913
55792 64590 73802
82070 82298 82478
82827 82840 82841
21203* 29263* 29344*
29550* 37987* 63761*
81972* 91970*
Europe 64266
evolution 4878 13073
21017 21025 46774
82077 29265* 73531*
conferences and congresses 29237
reviews 37996
extracts 20786 28831
38509 46369 21020*
fecundity 4978 5038
12956 12995 21363
29605 29628 38388
73729 73833 82270
82323 82504 82842
12889* 29642* 38434*
64373* 92227* 92575*
fertility 5004 38163
64672 82769 92509
29642* 29743* 38434*
47012* 92575*
Finland 46744* 46754*
46755* 47174*
flight 4887 5066
5183 5219 12994
20554 29248 29421
38362 38493 38530
38587 46962 46963
55723 55725 55749
55789 55826 55830
64254 64324 64332
64623 64624 73091
73725 73746 73914
81463 81494 82086
82322 82385 82447
82453 82474 82700
82850 12827* 28778*
38275* 38385* 46823*
47192* 55718* 55805*
55975* 64134* 64334*
64665* 73524* 73623*
92227* 92404*
food and host plants 4763
29156 46448 46861
81397 81683 20561*
28946* 29260* 55200*
91948* 92313*

Item

Insects--Cont
fossil 12729 12744
38131 82382 82917
29266* 55155*
Australia 73059
bibliographies 86310
California 4903
Corsica 73061*
Czechoslovakia 37438*
Great Britain 4873
4894 81358
Kansas 28741
Latvia 28735
Mexico 63703
New York 41245
Oklahoma 28741
Pennsylvania 21019
Sardinia 73061*
USSR 12746* 21008*
37436* 91942*
France 82072 21016*
46859* 82073*
genetics 4338 4395
7977 21023 81395
82655 32505* 37496*
46763* 63748*
reviews 37968 37976
94831 37980*
geographic distribution
4886 21133 37965
46756 82881 73528*
73530* 73604*
germ-free 5193 29452
29467 46958 73828
82424 38000* 55957*
64215*
Germany 5* 46753*
Great Britain 29612
32674 64228 73523
growth 4728 4902
21225 21229 21429
21451 29243 29277
38121 38253 46742
47027 47038 55808
55848 55994 64273
73650 73729 81717
82321 82804 82832
82851 82869 21268*
21393* 56009* 64503*
82034* 82060* 82671*
habits and behavior 4888
19617 21012 21026
21032 29235 37473
37948 37956 46740
46764 46765 55590
55631 63699 64046
64246 79989 79990
82083 82089 82109
82110 82111 82680
91974 92312 12583*
21001* 28924* 29236*
29262* 29267* 37998*
55991* 64234* 73371*
conferences and congresses 46770
reviews 37983 38004*
hearing 5582 21456
29774 82083 82495
hibernation 5202 5252
5541 12459 12822
21999 21217 21263
21315 29351 29361
29489 29633 38245
38448 55760 55835
63877 64625 73313
73730 73749 73797
82480 82540 82888
82889 92072 92487
5009* 12697* 12943*
12944* 21153* 29144*
29193* 29447* 37871*
38079* 47162* 47179*
55610* 64078* 73268*
73273* 73305* 82042*
82043* 82044* 82400*
91968* 92526* 92583*
Himalayas 5151 21326
46756 55638 73522
38490*

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Item

Insects--Cont
history 46373*
host relations 5256
5397 29724 29818
37690 63805 63905
64412 64545 64718
73142 73778 81589
81717 81728 82408
82436 82586 82767
82877 92443 5100*
5169* 29258* 55362*
56015* 63786* 64463*
64564* 64740* 73885*
92546*
host resistance 12450
12518 12525 12526
20724 20910 21296
28757 28977 29004
29030 29051 29137
46473 46474 47028
63910 63730 63777
63895 63934 63940
73097 73369 81372
81652 81715 92129
12490* 12896* 12924*
20768* 63879* 63883*
63897* 63923* 63927*
73248* 81665* 81795*
92138* 92171* 92178*
92185* 92190* 92197*
hosts 4573 46404*
Hungary 64267*
hydrogen-ion concentration
64241 73768 82233
Iceland 55695
identification 4707
20570 20870 29059
29118 29612 29619
29703 37745 55432
55533 55545 55561
55571 64054 81495
92211 4865* 4874*
92411*
illustrations 4444 5327
5500 46306 55630
in literature 5075 46308*
in philately 55159 55160*
81353*
India 21210
Indian Ocean islands 73510*
73528*
Indiana 37486 38002
injuries 5424 63787
insecticide resistance
4324 4325 4338
4350 4360 4376
4379 4387 4395
4396 4411 4414
20578 20594 20605
28744 28749 55171
63734 73099 81363
81395 81420 81438
37496* 46314* 46350*
55173* 63747* 63748*
73117* 81417*
conferences and congresses 4420
reviews 37498
larvae 21033 81849
Laysan 4871
Lebanon 37997
life histories 5011
5022 5080 5230
12916 21173 21227
21300 21324 21346
21399 21406 29330
29433 29522 29590
29652 29697 29723
29726 37551 38089
38461 38537 38577
46912 47151 56003
63949 64052 64354
64410 64490 64535
73675 73728 73772
73857 82222 82268
82280 82322 82460
82499 82500 82549
82558 82637 82648
82702 82716 92440

Item

Insects--Cont
life histories--cont
92512 29559* 38445*
38481* 46889* 64575*
64585* 82608* 82675*
82776* 82856* 92188*
92357* 92457* 92517*
92518* 92577* 92589*
92603* 92629*
littoral 5158 21109*
38130* 73631*
locomotion 46751 82476*
longevity 4978 5283
5604 12821 21363
29605 29628 38163
38388 82329 82637
82709 92488 12823*
29233* 38322* 64374*
82473* 82608*
conferences and congresses 62350
Malagasy Republic 73528*
Mediterranean Islands
73510* 73531*
metabolism 5424 12927
13039 21265 21332
21429 28813 29745
29770 29771 37463
37529 38194 46356
46842 55889 73709
73798 82399 82478
82910 21203* 29597*
37987* 46771* 64092*
64258* 73676* 82234*
82816* 92467*
reviews 37971
metamorphosis 4895
5158 5440 29259
29269 29530 29549
29614 37918 38510
46933 55994 64273
73817 82084 82321
82709 13091* 21262*
21427* 29257* 29266*
38255* 47012* 47239*
55774* 82234* 82674*
82675* 82676* 82677*
82761* 82866*
Micronesia 38154 38223
38241 38346 38347
38358 64326 64492
64499
migration 4862 4891
12752 73534
reviews 37991
mimicry 21397 29249
38440 46862 55630
55925 73808 73805*
73854* 82643*
mortality 4528 4529
5202 5319 5615
12446 12645 12736
13006 21394 21407
38216 47156 55951
63910 64104 64548
64552 64625 73617
73626 73852 81774
81786 81897 82270
82469 82504 82586
82714 82842 92488
92631 5163* 21286*
38152* 46752* 63814*
64064* 64364* 64374*
64668*
mountain areas 5457
29486 38259 46756
55734* 73636*
myrmecophilous 21377
47143 64688 21137*
21138*
names 4310 46363
47193 63704 81403
nematodes 29511 55715
55816 73250 73638
82618 29050* 46761*
55647* 55729* 56010*
63752* 63965* 73621*
73644* 81609* 82279*

Item

Insects--Cont
nests 4422 4864
5288 5641 29608
38494 38583 55884
64302 64535 64543
64565 73787 82231
82640 5315* 5601*
21302* 21348* 21349*
38403* 46829* 46830*
47230* 55568* 55899*
56024* 82608* 82627*
82856* 92538* 92543*
artificial 12368 29613
38402* 55872*
New Zealand 92297
nomenclature 4310
37989 73508 82074
82103 4863* 21125*
29251* 46747*
numbers 13025 20695
55537 73523 46753*
64407*
nutrition 29235 37981
64046 64244 81849
20710* 21007* 47093*
64069*
Oceania 21017 37965
outbreaks 46336 55378
Canada 63764 64097
64112 73093
forecasting 73189
81430 29253* 37825*
46319* 46466* 55519*
64066* 70523*
Austria 73272*
Canada 81378
China 37650*
France 46538*
Germany 73405*
East Germany 64105*
Iowa 28763
Japan 37484* 81814*
Korea 81667*
Poland 86697*
Rumania 4772*
55510*
USSR 12530* 20714*
20756* 20783* 20785*
28777* 33105* 58885*
73261* 73268* 81362*
history 64097
Netherlands 4424*
Poland 12625* 46499*
Southern States 20913
USSR 4687* 12516*
55584*
Yugoslavia 29085*
oviposition 4452 4465
4601 4978 4996
5004 5103 5189
5208 5306 5395
5525 12484 12808
12851 13011 21172
21241 21247 21255
21267 21386 21445
21458 29401 29402
29514 29690 38127
38280 38286 38512
46925 46977 47094
47105 55752 55760
55879 55942 64390
64624 73648 73812
82325 82637 82714
82878 12944* 29343*
37624* 37945* 38097*
38151* 47061* 47173*
55870* 55957* 56004*
73603* 82308* 82720*
82820*
Pacific area 37965
Palearctic Region 64714*
parasites 37483 37997
55499 73520 82080
82586 4710* 37452*
46761*
phylogeny 5626 21022*
29245* 29270* 73917*
reviews 38004*

Item

Insects--Cont
plant relations 21386
37740 38512 55424
55458 55967 64531
73648 81397 82295
82346 92082 12965*
21298* 29260* 29551*
29559* 29560* 29732*
38334* 38336* 46852*
46974* 46989* 55584*
55799* 63883* 63957*
64069* 64401* 64436*
64467* 81814* 82496*
92236* 92458*
Plummer Island 55757
55891
Poland 73516* 92411*
populations 4762 4882
4896 4897 4902
5076 21012 21032
29232 38002 38544
46336 46469 46581
46599 47160 64245
64545 81352 81366
91945 12372* 20577*
21427* 29165* 29241*
29260* 29397* 37755*
37794* 37954* 38138*
46734* 47190* 47196*
55492* 55493* 55981*
63835* 73399* 81693*
91968*
research
statistical methods
29672 82522 92387
29813*
reviews 46773 37980*
sampling 4555 4567
4612 4613 4901
13025 13057 21394
21465 29043 29671
37960 46733 64548
73533 73740 81469
81786 81897 82375
82466 82713 5073*
12743* 12749* 64259*
73203* 82550*
equipment 37961
82466
predators 41608 55162
55499 81897 82419
29150* 37709*
prey 5109 5225 5301
12970 21171 29362
38240 64671 73675
73728 73729 73738
82419 92445 46853*
82363* 82610*
protective devices 5442
5570 21026 47081
64511 73643 5100*
5539* 12972* 55754*
82555*
pupae 5395 29259
63709
rearing and breeding 20813
21250 29232 29330
37975 64015 29245*
37954* 37993* 38000*
63746* 82091* 82407*
equipment 63863
73729 82616 82711
4319* 38000*
reflexes 82812*
regeneration of parts
21467* 92529*
relict 46736* 64261*
research
statistical methods
4896 4902 21032
21033 37960 55903
reviews 38003
respiration 4719 5115
5248 5541 29770
46968 64231 73345
73817 82309 92653
37917* 64218* 73489*
reviews 37952

*Text of this reference is not in English.

Item

Insects--Cont
Rhodesia and Nyasaland 82106
Rumania 64232*
Sahara 38138*
Saudi Arabia 82099
Scotland 21032
shipping 4312 64015 81364
equipment 55836 63709 21400*
Sicily 73530*
situation and outlook 12360 12363 20832 20877 20892 28789 73221 92245 20577* 55403* 81428* 81901* 81904*
size 12995 21181 29462 38184 55780 29576* 64373*
sleep 55880 55894
smell 29227 64421 73795 82086 82111 82385 82784*
sonification 5050 12730 12739 13048 38342 55763 64710 82083 82543 82834 55901* 82307* 92300*
speciation 21476 64689 73803* 73804*
sterilization 4458 4518 5041 12344 21219 38178 55264 55321 55392 55783 55797 63725 64672 81546 82770 5649* 64712*
stratification 21012 28760 29241*
surveys 20576 55681 64048 81434 82099 21441* 55354* 64253* 64358* 73104*
Sweden 38115*
tagging 4720 5373 29382 29532 29659 55830 64624 82810 29196* 47259* 55919* 55975* 64455*
taste 29430 55785
taxonomy 4869 4881 4898 12727 37989 37994 46757 48748 64233 76914 82081 82113 4352* 4382* 4866* 4868* 21011* 29256* 37957* 37958* 46746* 64230* 64263* 64267*
conferences and congresses 4900*
reviews 55629
temperature 13066*
termitophilous 29816 64337
therapeutic use 46317
Uganda 21012
USSR 12740* 29555* 70474* 92307*
variation 5381 5408 5444 5519 13033 21213 21516 38184 55806 64572 64631 64641 73713 73760 73808 73826 82273 82418 82692 82696 92482 13034* 21102* 47215* 47216* 55993* 73805* 82528* 82757* 82774* 82795* 82809*
venom 81987*
vernalization 55646*
vision 5128 12718 21006 29264 38211 55612 64421 73535 79908 82111 82243 92298 92464 4849* 12723* 29809* 55308* 55871* 73629* 92544*
reviews 37949*

Insects--Cont
water relations 5651 13053 21139 29418 29430 37766 37933 47140 73754 73912 4858* 5019* 5020* 12738* 13061* 29190* 38218* 55607* 55980* 55991* 82301*
webs 56030* 56040*
weight and measurement 4817 5082 5103 5425 21176 21476 29789 46932 47102 47140 64557 82891 13015* 37923* 38151* 38256* 46724* 64224* 64373* 73502*
wood-destroying 37832 73362 73392 73395 37795*
Chile 46831*
control 12665 12666 37828 73363 20888* 20894* 20902* 20914* 29160* 29163* 64067* 64072* 64116*
Czechoslovakia 92230*
France 29062*
Germany 55588*
East Germany 90358*
Ghana 20908
Japan 64062* 64083* 64095* 64096* 64098* 64101* 64110*
Michigan 64233
Poland 46663*
USSR 73383*
Wyoming 4355
Yugoslavia 64263*
SEE ALSO Aircraft, in pest control; Aquatic insects; Baits and traps, insects; Birds, insect food; Entomology; Fish, insect food; Forest insects; Gall insects; Household insects; Insecticides; Pest control; Plants, quarantine; Scale insects; Social insects; Soil insects; Wildlife, insect food; names of insects, anatomical parts, and diseases; SUBHEADS pest control; pests UNDER names of animals and plants; and UNDER Blood; Luminescence; Mutation; Parthenogenesis; Repellents; Sex; Sex behavior; Symbiosis; Tissue culture; Tissues
Inspection SEE Plants, quarantine; and SUBHEAD regulation and inspection UNDER specific subjects
Institut des Recherches sur le Caoutchouc au Cambodge 17843
Institut des Recherches sur le Caoutchouc au Vietnam 43865*
Institut Francais d'Afrique Noire 86282*
Institut Francais du Cafe et du Cacao 78240*
Institut Francais du Caoutchouc, Paris SEE France Institut Francais du Caoutchouc
Institut für Haustierkunde Kiel SEE Christian-Albrechts Universität Kiel Institut für Haustierkunde
Institut Morfologii Zhivotnykh im A N Severtsova Laboratoriya Pochvennoi Zoologii 44009*
Institut National Belge du Houblon 1986*

Item

Institut National pour l'Etude Agronomique du Congo 43060*
Institut Pasteur du Maroc 28864*
Institut Pasteur du Vietnam 36326*
Institut pour l' Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture 86262*
Institute of Corn and Agricultural Merchants 22487
Institution of Agricultural Engineers 64754 73924
Instituto de Investigaciones Tecnológicas Bogotá 32599* 76792*
Instituto de Nutrición de Centro América y Panamá 23666 32439*
Instituto Español de Entomologia 82855*
Instituto Interamericano de Ciencias Agricolas de la D E A SEE Inter-American Institute of Agricultural Sciences
Instituto Latinoamericano de Mercadeo Agricola 74450*
Instituto Salvadoreno de Investigaciones del Café 25975*
Instituto Zooprofilactico Colombiano 62483*
Instron fiber tester 22208
Insufflation 80329*
Insulanus SEE Deltocephalus (Insulanus)
Insulating materials 6654 22713
Insulation SEE UNDER Buildings and kinds of buildings
Insulation board SEE Fiberboard
Insulin 62737 19850* 36606* 36808*
Insulochamus n g 38088
Insurance 14735 40337 40349 66430 66431
France 31740*
Germany 75899* 75903*
Italy 85248*
Japan 85256*
mutual 7403 23054 40346
conferences and congresses 40347
Georgia 57718
Japan 85250*
Spain 23053*
Oregon 66395
policies and programs 40339 40351
Sweden 7405* 14732* 49014*
SEE ALSO kinds of insurance
Integer programming 40557 40558
Integration SEE Horizontal integration; Vertical integration; and SUBHEAD integrated UNDER Insects, control
Inter-African Bur for Animal Health 62385 79755
Inter-African Bur for Epizootic Diseases SEE Inter-African Bur for Animal Health
Inter-African Coffee Organization 30395
Inter-African Soils Conference 35091
Inter-American Cacao Center 25976
Inter-American Cacao Conference 9950
Inter-American Institute of Agricultural Sciences 49873 58159 76410 86258 32600*

Item

Inter-American Institute of Agricultural Sciences--Cont
Technical Consultative Council 49157*
Intercollective farm organizations 23259 3342* 7575* 13340* 14951* 15012* 23276* 23286* 31967* 31972* 40635* 64995* 66407* 66659* 66699* 74930* 76134* 76151* 76220* 83222* 85482* 85491* 85520* 85609*
Interference phenomenon 28678* 45832*
Interindustry analysis SEE Input-output analysis
Intermediate wheat grass SEE Agropyron intermedium
Intermountain Logging Conference 26997
Internal black spot
beets 9155
potatoes 39751
Internal brown spot
potatoes 1170
Internal browning
brussels sprouts 34121
tomatoes 33890
Internal cork
sweet potatoes 42008
International agreements and treaties SEE Trade, agreements and treaties; and SUBHEAD agreements UNDER specific subjects
International Animal Nutrition Conference 19392
International Apple Association 56941
International Association of Milk Control Agencies 47894
International Association of Seed Crushers 40049
International Association of Veterinary Anatomists 53897*
International Beekeeping Congress 20943 46669* 64150*
International Biophysics Congress 58366
International Botanical Congress 49936
International Center for Cereal Chemistry 14285*
International Code of Botanical Nomenclature 250 23910 32707 41321
International Code of Zoological Nomenclature 64229 73508 82103 29251* 46747*
International Coffee Agreement 30385 65314 66344 41007*
International Commission for Bee Botany 73434
International Commission for Biological Control SEE Commission Internationale de Lutte Biologique
International Commission on Trichinellosis 71779 71790
International Commission on Zoological Nomenclature 4863*
International Conference of Agricultural Economists 94134
International Conference of European Meat Scientists 84565* 84566*
International Conference on Agricultural Economy 31660*
International Conference on Co-operative Science 58222
International Conference on Sanitary and Administrative Regulations Affecting the National Trade in Livestock and Meat 39964*

*Text of this reference is not in English.

Item

International Congress of Dietetics 49666
International Congress of Entomology 4318
International Congress of Grapes and Wine 43432* 43433* 43434* 52731* 61344* 70522* 70523* 86239*
International Congress of Pure and Applied Chemistry 32497
International Congress on Nutrition 86047
International cooperation SEE SUBHEAD international UNDER Cooperation
International Cooperative Alliance 23555—23557
International Cooperative Conference 58223*
International Cotton Advisory Committee 22219 65615
International Crop Improvement Association 1421 34373 69290 75699
International Dairy Congress 74648 74677 93270
International Dairy Federation 74659
International Development Program 40525
International Farm Youth Exchange Program 29186 32577 85841
International Federation of Agricultural Producers 7501 57870
International Federation of Margarine Associations 40036
International Fruit Juice Union 93562*
International Grassland Congress 1620 1629
International Green Book of Cottonseed and other Vegetable Oil Products 7056
International Hard Wheat Conference 75297*
International Institute for Land Reclamation and Improvement 26459
International Institute of Refrigeration 65217
International Meetings on Pathology of Bees 46684* 46685*
International Oil Mill Superintendents Association 14468 14469
International Organization for Standardization 30011*
International Organization of Biosystematists 49756
International Phytogeographical Excursion 67390
International relations 7692 85841 15586*
SEE ALSO SUBHEAD international UNDER Cooperation; Organizations
International Review of Cytology 12733 94844
International Rice Yearbook 75305
International Rock Garden Plant Conference 69836
International Scientific Conference of Breeding and Culture of the Sugar Beet 78008*
International Seed Campaign 75690
International Seed Testing Association 66201
International Seed Year 7192
International Sericultural Technical Conference 73480*

Item

International Society for Grain Chemistry 22511* 31164*
International Sugar Agreement 40975 94785 58278*
International symposium on agricultural machinery maintenance problems SEE Symposium on agricultural machinery maintenance problems (International)
International symposium on growth SEE Symposium on growth (International)
International Taxonomic Register (Proposed) 4869
International Tea Committee 83648
International Trade Development Committee 67043
International Training Centre for Aerial Survey (Delft) 44696*
International Union of Biochemistry 51063
International Union of Biological Sciences 51063
International Union of Forest Research Organizations 44549 10531*
International Union of Game Biologists 92017
International Union of Pure and Applied Chemistry 47669*
International Veterinary Federation for Zootechnics 53900
International visits
  Australians in U S 70949
  British in USSR 2790
  Cubans in Czechoslovakia 57894*
  Dutch in Great Britain 36885* 57908*
  French in Great Britain 7470*
  Germans in Sweden 28379*
  Germans in U S 3156*
  Indians in U S 66931 66932 93703
  Italians in Albania 27482*
  Japanese in U S 40056
  Malayans in U S 10885
  New Zealanders in U S 90770
  Russians in Czechoslovakia 90800*
  Russians in Great Britain 67156*
  Russians in Hungary 8118*
  Russians in Mongolia 76798*
  Russians in Poland 89442*
  Russians in U S 54124*
  Russians in Vietnam 15674
  Scottish in Finland 10522
International Wheat Agreement 76562 94764 15403* 67052*
International Wool Federation 74955*
Interplanting 26002 34028 69318 69415 91945 25126* 43280*
  Australia 25481
  Bulgaria 69312*
  Ceylon 2000
  Chile 88531*
  Czechoslovakia 44350* 78671*
  Germany
    East Germany 25278*
  Hungary 69499*
  India 9433 9439 9517 17858 25506 35415 70142 81366 91945
  Japan 68181* 88632*
  Latvia 9361*
  Nebraska 60422
  Portugal 34510*

Item

Interplanting--Cont
  Southern States 2749
  USSR 9427* 10453* 17010* 17154* 17175* 17198* 17199* 18305* 34083* 34418* 34523* 34524* 34530* 43125* 43272* 43297* 44784* 60508* 60536* 60577* 63956* 69027* 69450* 69517* 69566* 69603* 73240* 73241* 89200*
  Yugoslavia 88411*
Intersexes 29304 55816
Interstate Managerial Study 57936
Intestinal catarrh 3784*
Intestinal fistula 81253 28114*
Intestinal flukes
  cattle 45563 72122 11657* 27833*
  dogs 3688* 36789*
  ducks 20197 28289
  poultry 80811*
  ruminants 27451
  sheep 91699 81042*
  swine 20532 37406* 81300*
Intestinal hernia 72994*
Intestinal juice 62748* 72119*
Intestinal obstruction 28033 63019 80317 62763* 62811*
Intestinal occlusion 3547*
Intestinal worms 27472*
  cattle 3566 19902 62783
    reviews 20384
  ducks 54825*
  goats 63443 81104* 81105*
  rabbits 46093*
  sheep 28498 72823 81051
    control 4114 4123 46136 20354* 37225* 54969* 54971* 63433* 81104* 81105*
    reviews 20384
  swine 28697* 37370* 46261* 73019*
Intestines
  arthropods 64317*
  cattle 19856 45674 62885 11611* 36659* 36676* 45568* 54281* 62847* 72120* 91113*
  dogs 20017 36818 72331 91219 3669*
  guinea pigs 20111* 54672*
  horses 3760 66082*
  insects 5006 21185 29716 5555* 5648* 21262* 29762* 37943* 38475* 47261* 64704* 82244*
  laboratory animals 54683*
  livestock 19514 62328 62351 62376 79919 79922 62446*
  minks 80594*
  pigeons 3852*
  poultry 3916 11990 20165 63341 72604 72611 80840 80856 63257*
  rabbits 37163*
    diseases
      reviews 63382
  sheep 4105 28486 37258 63471 28495* 28508* 37261* 63452* 66082*
  swine 28684 81317 11611* 37367* 81246* 91840*
    bacteria 12267 28677 37408 37415 72954 28673* 72986* 73010*
    diseases 55087*
Introduced pine sawfly SEE Diprion similis
Intsia bijuga 71213
Inula graveolens 60970
Inuleae 732
Inulin 46135* 69231*

Item

Inverse pitting
  citron 77254*
Invert sugar 22547* 36687* 40188*
Invertase 5261 13529 25204 60358 68484 75096 2156* 31212* 81972* 84539* 85082*
Investments 57645 57657 85185 92706 93157
  Austria 90058*
  Belgium 49031*
  Canada 40438 53494 85194
  Czechoslovakia 22992*
  developing areas 94166
  Ecuador 28808*
  Europe 85192*
  France 63317*
  Germany
    East Germany 57659*
  Great Britain 57663
  Hungary 94170*
  India 93124
  Italy 48292* 75861*
  Japan 85189*
  Netherlands 31701*
  North America 53494
  Poland 94168 94169 15073* 94162* 93747*
  Southern States 53190 53199
  Spain 58272*
  Switzerland 75863*
  USSR 19130* 44915* 70816* 75860* 94165* 94171*
  Yugoslavia 94172 79426*
Iodates 6789
Iodides 59920 44504*
Iodinated casein SEE Thyroprotein
Iodine
  determination 39290 74426 31178*
  effects on plants 34098 42853* 68726* 88010*
  fertilizers 44504* 70575*
  in animal nutrition 36168 90554*
  in animal physiology 45251 19471* 45246* 53932*
  in blood 3541 3970 36677
  in cattle nutrition 54203*
  in cattle physiology 3471 3576 45537 62794 80249 80350 27556* 54448*
  in fats and oils 20411 57322 57388 80012 91726 57401* 84780* 84858*
  in feed 38899*
  in food 38899* 61152*
  in goat physiology 63436
  in laboratory animal physiology 54669*
  in milk 11641 19888 39290 83843
  in plants 16676 50837 60096
    reviews 69101*
  in poultry nutrition 20167
  in poultry physiology 3941 11885 20173 36972 54778 28270*
  in sheep physiology 81089 91671
  in soils 61152*
  in starches 56362 57194*
  in swine nutrition 72937*
  in swine physiology 20507 4258* 20506*
  in water 61152*
  in wool processing 22191
  protein-bound 3576 3970 36677 54778 80350
  therapeutic use 45646* 72083*

*Text of this reference is not in English.

Item

Iodine chlorides 7013* 28096*
Iodine compounds 22441*
Iodochlorohydroxyquinoline 45738*
Iodometry 57570*
Iodophors 41091 48039
  bibliographies 41091
Ion exchange
  in food industry 39080*
  in fruit juices 48322 84345
  in insects 13070 82853
  in plants 8861 16564 16651 47659 59877 59938 60060 87871*
  in starches 48443
  in sugar manufacture 7261 40169 48904 7246* 14610* 22835* 31567* 48941* 75717* 75718* 75728* 75772* 94075*
  in sugars 40184 31598* 75733* 85080*
  in water softening 42676*
  in wine 13614* 65330* 93222* 93243*
  resins 30652 43001 52795 56668 61135 78321 89524 93033 94073 2931* 31585* 31586* 60218* 65310* 65330* 75527* 75741* 94075*
  SEE ALSO Soils, base exchange
Ionescuellum n g 5652*
Ionites 31567*
Ionopsidium abulense 41401
Ionopsidium heterospermum 41401
Ions
  effects on plant disease 50508
  effects on plants 9156 9157 9164 16602 42776 51094 51159 68650 68747 60265*
  in animal physiology 62913 63341 72604 72652 91517 72359*
  in fibers 22274
  in food 47783 84735*
  in insect physiology 5651 29775 37766 55698 82853 87368 92426
  in plants 962 1087 1120 16527 16663 16822 33925 42545 42644 42914 42917 44146 51007 51025 51037 51072 51173 51204 51218 51260 51274 68847 77664 87368 1191* 16590* 42722* 42953* 51332* 68590* 68606* 87581* 87922* 88006*
    reviews 77512 87369
  in soils 2094 10019 35093 43986 51274 52471 60206 70239* 70249* 70297* 89489*
Iontophoresis 45321*
Iowa Academy of Science 58367
Iowa Agricultural Experiment Station
  report 23836
Iowa Crop Improvement Association 75694
Iowa State University of Science and Technology 66914
  Center for Agricultural and Economic Adjustment 76029
  Cooperative Extension Serv 23836 94641
IPC 34955 43730 8870* 57114*
Iphicrates 38340

Item

Iphra 4997
Ipidae SEE Scolytidae
Ipomoea 41470 67519 79704*
Ipomoea batatas SEE Sweetpotatoes
Ipomoea eriocarpa 60933
Ipomoea fistulosa 87627*
Ipomoea nil 16836 51236 60271 33869* 51201*
Ipomoea pes-caprae 23897 24848
Ipomoea pestigridis 11477
Ipomoea purga SEE Exogonium purga
Ipomoea turpethum 24556 24651
Ipomoea violacea 60320*
Ipomopsis SEE Gilia
Iproniazid 72686 28145*
Ips 5050 29310 29363 55763 12805*
Ips acuminatus 20924*
Ips confusus 5049 37814 46870 82346
Ips duplicatus 64078*
Ips radiatae 4775
Ips sexdentatus 82307*
Ips subelongatus 73370*
Ips tridens 82276
Ips typographus 4776* 29344* 29390* 55577* 64078* 64100*
Iraniodes n g 47130*
Iraq Agricultural Bank 40310
Iraq College of Agriculture 7747
Irbisia 5212
Ireland Dept of Lands Forestry Div 2565
Ireland Electricity Supply Board 5887 93006
Ireland Land Commission 85700
Irénée-Marie Frère 41159*
Irenopsis 50129
Iresine 8708*
Iridaceae 67462
Iridocyclochorioiditis 91062*
Iridomyrmex 28956
Iridomyrmex humilis 20581 29130 38416*
Irinula 64499
Iris
  anatomy and physiology 16860 34189 25033* 42623* 77686*
  associations 34717
  biochemistry 77803
  culture 78131 88997 89095 89077*
    California 25703
    Canada 34765 34800 69884
    Great Britain 34773
    India 60781
    Iowa 52062
    Japan 34760
  cytology 16375
  forcing 89089
  fungus diseases 33291*
  history 34731
  hybrids 78131 25729*
  injuries 34961
  Iran 34834
  pest control 20860
  pollination 25033*
  soils 34773
  storage 89089
  taxonomy 58672 23966*
  Turkey 34834 41326
  USSR 16375
  varieties 34810 34853 34860 88997 89077*
    California 25703
    Canada 34800
    Great Britain 34790
    India 60781
    Israel 34751

Item

Iris--Cont
  varieties--cont
    Louisiana 89058
    Netherlands 34849
  weed control 34961
Iris (insect) 38538*
Iris kuschkewiczi 34767
Iris palestina 77538
Iris pseudacorus 9267 15730 68714 55747*
Iris sibirica 34771
Iris Year Book 34717
Irish Agricultural Organisation Society 76451
Irkutsk Gosudarstvennaya Sel'skokhozyaistvennaya Opytnaya Stantsiya 23839
Irkutsk Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya 79957
Irkutsk Oblastnaya Sel'skokhozyaistvennaya Opytnaya Stantsiya 57951*
Irogera 64549
Iron
  chemistry 44517
  determination 93199 30367* 56358* 78384*
  effects on eggs 48841 75627
  effects on plant disease 58997
  effects on plants 42786 50630 59935 60164 68729 68880 68881 18367* 24880* 88111*
  fertilizers 79012 78384*
  in animal nutrition 53789*
  in animal physiology 11341* 27427*
  in beer 93199
  in blood 36681 3494* 28696* 53919* 82038*
  in cattle nutrition 62834*
  in cattle physiology 72157 3494* 11611* 91049*
  in fats and oils 93930 93915*
  in food 21791* 56358*
  in forage plants 54930*
  in fruit juices 13671
  in fur animal physiology 72380*
  in grapes 50916*
  in guinea pig physiology 80697*
  in horse physiology 80645 72419*
  in human nutrition 6253 7930 76594 94810
  in ice cream 30536
  in insect physiology 29527 38217*
  in milk 6253 11438*
  in plant nutrition 42852 59988 77650 87552 24790 71138
  in plants 1098 1272 9100 16567 16765 33909 55193 60053 87546 87547 87847 88055 16952* 33977* 34223* 51535* 68567*
    bibliographies 1000
    reviews 8899
  in poultry physiology 72701
  in sheep nutrition 54930*
  in sheep physiology 4126 4136 81073 20382*
  in soils 16651 17997 24796 50979 52498 52526 52527 61154 61183 61206 17995* 26173* 52500* 70274* 70302* 78384* 89616*
    bibliographies 2026
    France 87205*
    India 52560
    Netherlands 10269*

Item

Iron--Cont
  in soils--cont
    Poland 10132* 70299*
    USSR 10116* 43993*
    West Virginia 10055
  in swine nutrition 4223 20477
  in swine physiology 4280 12276 28664 73035 81252 11611* 12194* 12282* 28636* 28706* 46248* 55057* 55088* 55119* 55129* 63649* 81275* 81308* 81319* 91829* 91861* 91901* 91910*
  in wine 30367* 39173* 50916* 83641*
Iron chelates SEE Chelated iron
Iron chlorides 64222*
Iron compounds 48717* 87610*
Iron hydroxides 35166
Iron oxides 17984 17989 18031* 48717* 78395*
Iron phosphates 52470
Iron sodium tartrate 2915* 36051* 36118*
Iron sulfates 4225* 18315* 46250* 86824* 89507*
Irradiation SEE Radiation; and UNDER names of commodities
Irrigation 2016 2069 2421 10382 10399 10409 10420 16841 18427 18480 26433 26443 26451 26478 26525 26533 26570 34042 35454 35502 35545 44345 44381 44383 44436 44442 52382 52430 52717 52924 52949 52951 52974 52975 52987 52998 53013 53015 53016 60015 61565 61567 68938 70043 70800 78847 89375 89466 89867 5671* 10343* 18121* 25071* 26033* 26394* 26529* 26553* 35456* 44399* 61524* 70319* 70750* 76647* 78899*
  Africa 52952*
  Algeria 17882* 78891*
  Angola 18413* 78472*
  Argentina 18237 17869* 78912*
  Arizona 52943
  Asia 52952*
  Australia 2417 10385 10398 15157 26029 44360 44408 44443 70801 89865 89898
  Austria 61534* 70762*
  Brazil 35535*
  British Guiana 26538
  Bulgaria 35489
  California 2442 10377 26519 44340 53011 61572
  Canada 2430 10396 44413
  canals and ditches 1969 2414 26413 26530 26562 43835 61507 70772 70808 10410* 35455* 60930* 61540* 70065*
    Australia 2445 89863
    British Guiana 25874
    Bulgaria 26557
    California 17791
    Colorado 78803
    construction 70793*
      Bulgaria 18557*
      Hungary 26492*

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Item

Irrigation--Cont
canals and ditches--cont
construction--cont
Italy 26517*
USSR 18521* 18553* 70733* 70843* 89827*
equipment 26405 10342* 18432* 18503* 18553* 44429* 53007* 61504* 70706* 89855*
France 26407*
Germany
East Germany 25885*
history 89827*
Hungary 2406* 70826* 89889*
India 26503
Italy 35031*
Japan 61537* 78862*
linings 2416 26557 35503 44362 44456 52968 2424* 18503* 26407*
maintenance and repair 52968 61554 78915 61514* 70802* 89899*
Netherlands 89285*
Spain 26438*
Sweden 78840*
USSR 10360* 10407* 18505* 44328* 44395* 52953* 67563* 70716* 89821* 89885*
United Arab Republic 44410
China 35495
Colorado 70813
conferences and congresses 2379 2446 26417 70790
Congo 10386*
costs 14976 26396 35524 40763 44456 52913 70725 70731 89875
Bulgaria 78802*
California 10412
Czechoslovakia 61561* 70732* 70763* 70796* 70821*
Hawaii 44358 70740
Hungary 52958* 61580* 70828*
India 35532
Italy 35458* 44366*
Michigan 52996
Mississippi 2399
Missouri 52957
Netherlands 70785
Rumania 10404*
South Carolina 26474
South Dakota 10362
Spain 26440 26455
USSR 2405* 18493* 35536* 44371* 70705*
Wyoming 26546
credit 31723 75878
Cyprus 44349
Czechoslovakia 26422 52898* 61561* 89850*
Denmark 18441* 18442* 61533*
desert areas 89831*
reviews 61522
districts 2448
Australia 26484
California 10352 83290
Colombia 7553* 17008* 18463*
Mexico 7350* 23242* 61558*
Spain 26584*
Eastern States 18383
effects on insecticides 55216
effects on insects 28921 29497 63860 82464
effects on plant disease 67679

Item

Irrigation--Cont
equipment 5868 10402 26381 26481 44348 44454 52913 53010 61452 61563 70749 78787 78869 89873 89883 10418* 26428* 83218* 89854* 89895*
Arkansas 2467
China 78841
directories 10382
Germany
East Germany 89882*
Great Britain 65020
Hungary 2406* 70794* 70795* 70797*
Italy 26482* 44333* 44357* 78786*
Netherlands 18544*
Switzerland 89847*
USSR 26564 2405* 10375* 10389* 10401* 10413* 18451* 18513* 70717* 70844* 78821* 89877*
Wyoming 2400
Ethiopia 44336
France 2411 10364* 26448* 35459* 35472* 44401* 61503* 61509* 61519* 61559* 78823*
Germany 61483* 70712* 78838* 89822* 89871*
East Germany 61039* 78836* 78883* 78884*
Great Britain 10374 18448 26495 35496 53018 70922 89844
Hawaii 18423 35513 61538
history 26547* 61521*
Hungary 44407 52917 52977 53000 70181 2407* 26516* 70225* 70709* 70757* 70775* 78880* 89820*
Idaho 61626
India 10423 35519 40276 44330 44426 44427 44448 61506 61562 78892 85746 94132
Iran 52978 78785*
Iraq 44335*
Israel 26465 26528 70720 44450*
Italy 10436 10430* 18426* 26432* 26487* 26505* 31821* 35486* 44337* 49353* 52905* 52928* 70216* 70782* 89825* 89859*
Japan 26510 26032* 26549* 35533* 44388* 78295*
Kansas 2420
labor 26546 52937* 78909* 89877*
legislation 2449 52982
Libya 44361*
Mexico 2390* 18449* 52983*
Mississippi Delta 2196
Missouri 52915 52957
Morocco 18430*
mountain areas 18470* 44461*
Mozambique 61583*
Nebraska 2423 52956 70735 78876
Netherlands 52946*
New Mexico 10372 26575
New Zealand 70215
Northern Ireland 78844 78855
overhead 2381 2402 10427 24139 26498 26556 26576 26577 28381 35530 61490 2374* 17869* 26394* 26419* 26587* 42874* 78855* 78878* 78919* 89896*

Item

Irrigation--Cont
overhead--cont
Africa 26382*
Australia 10381 44435
Canada 70840
Czechoslovakia 26425 26523
equipment 18425 26396 26518 44385 52950 53004 70741 70808 78780 89869 8405* 10369* 10416* 18450* 26400* 26445* 30078* 52939* 70786* 89860
Czechoslovakia 61560*
Germany 38755* 78919*
East Germany 89879*
Great Britain 61528
Hawaii 44391 44394 44409 44411 44425
Hungary 52937* 89872*
Italy 10366* 10367* 44344* 70739*
Japan 44406* 61549*
Netherlands 56152*
Spain 26440
USSR 70761* 70788* 78896*
United Arab Republic 26540
France 44352* 61590*
Germany 18428* 26574* 44341*
East Germany 89881*
Hawaii 44391 70723
Hungary 26490* 70798* 89872*
India 26473
Israel 26430 26465
Italy 26444* 26449* 26485* 44440*
Japan 26510 26534
Netherlands 70785
New Zealand 58818
Portugal 44365*
Republic of South Africa 18434 18435
Spain 26455 26456 26551*
Switzerland 35478* 35479
USSR 18497* 18523* 35536* 61569*
Venezuela 2372*
Wyoming 26546
Philippines 42648
policies and programs 61491 26439*
Australia 2447
California 78778
Ceylon 70726
France 66331*
India 35508 44402 89849
Italy 44353* 52936* 70728*
Nebraska 78936
New York 35450
Spain 26439*
Tanganyika 61578
USSR 70773 10358* 18415* 18543* 26544* 78828*
Portugal 26429 26480 35451*
Portuguese Guinea 26507
projects 23270 52927
Canada 52999
Czechoslovakia 61494* 70732*
Ecuador 44343
India 78956
Italy 26485*
Mexico 61582*
Oregon 85543

Item

Irrigation--Cont
projects--cont
Pakistan 26462
Republic of South Africa 78874
Spain 35474*
USSR 10439* 70746* 78781* 78792* 78854* 89823*
pumps 10357 52933 61515 18509* 44404*
Republic of South Africa 29845
research
linear programming 14976
statistical methods 10395 61570* 70825*
Rhodesia and Nyasaland 10425 44364 78918
Rumania 89866*
Sahara 61566* 78891*
Sardinia 35527* 40776*
Somali Republic 89890*
South Carolina 26474
South Dakota 26040
Spain 26446 26456 26486 26515 26548 26555
statistics 35509 35510 35538 70777 10393*
subsurface 26550 26424* 26457* 44417* 44460* 89868*
Taiwan 18486 78278*
Tunisia 70839
USSR 18412 18528 26437 10350* 10384* 10390* 10426* 14318* 17914* 18456* 18477* 18488* 18496* 18518* 18534* 18536* 18537* 18552* 26278* 26390* 26420* 26427* 26542* 26547* 26579* 35466* 35475* 35528* 42095* 44327* 44331* 44461* 52907* 61495* 61521* 67564* 70197* 70387* 70704* 70810* 78843* 78852* 78857* 78887* 78909* 85738* 89381*
United Arab Republic 2418 26536 26540 66827 18531*
Washington 18559 35544 52942
Yugoslavia 26404* 26565* 78861*
water 17917 17925 18021 18414 18427 18476 18485 18490 18530 24785 24900 24954 26453 26494 26527 40763 44438 44442 50249 52908 52920 52931 52945 61045 70754 70823 78806 89876 24859* 26414* 26578* 44332* 60001* 78800* 78811* 78816* 78870* 78885*
Algeria 35491 18445*
Argentina 78912*
Australia 78793 78898
bibliographies 2393
California 2383 2401 2409 2413 2434 52940 78778
Colorado 40763
France 61503* 61581*
Great Britain 44368 78810
Guatemala 89830*
Hungary 26426 26490* 35477* 53006* 89489*
India 10408 35540
Israel 26467 26528 89848

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Item

Irrigation--Cont
water--cont
Italy 10368* 10370* 18426* 18527* 26531* 35470* 35514* 44392* 44397* 52929* 70710* 78786*
Japan 1278* 26509*
Kansas 2420
losses 2399 2416 78803 35455* 61589* 89889*
measurement 18439 61507 26428* 35511* 52916* 61512*
Mexico 26403 35504* 78842*
Michigan 44428 70784
Minnesota 2375 52970
Morocco 18430*
Netherlands 44453 44363*
Poland 28505*
Spain 26548 89829*
Sweden 16838*
temperature 92988*
Texas 2425 10424 18494 78871
Tunisia 61500*
Turkey 25153 53003
USSR 61535 10388* 21763* 35462* 44387* 44414* 52934* 70811* 78781*
United Arab Republic 33984
Utah 10429 18433 52985
Wyoming 26546
Yugoslavia 89897*
Western States 52909 61505 78872
Wyoming 78876
SEE ALSO UNDER Field crops; Forests; Pastures and meadows; and names of plants
Isanthera 67422
Isatis tinctoria 9230
Ischaemum 67419
Ischaemum rugosum 70039*
Ischioloncha 92347*
Ischiorectal hernia 63053 4239* 72308*
Ischnocanaba n g 21366
Ischnodemus sabuleti 29568*
Ischnomorphus n g 47003
Ischnopsyllidae 29800
Ischnopsyllus comans 38592*
Ischnopsyllus intermedius 5615
Ischnura elegans 5597 5621
Ischnura pumilio 5620
Ischnura pumilio aurantiaca 5619
Ischnura verticalis 82893
Ischnus 38417
Ischyropalpus 21090*
Ishimori N 76698
Isis (periodical) 38159*
Isle of Man Board of Agriculture and Fisheries 86115
Isle of Wight disease SEE Acarine disease
D-Isoascorbic acid SEE D-Araboascorbic acid
Isobates 21042
Isocitrate lyase 64590
Isocitric dehydrogenase 11232
Isocyanates 36120 48215
Isodacrys 21121
Isoetes howelli 87337
Isoetes sampathkumarani 819
Isoflavone 51487 79730
Isoleucine 854 16920 34323 42614 81190 88177 69208*

Item

Isoneuromyia 82392
Isoniazid 54273* 80325*
effects on plants 34002* 77813*
residues 3490
therapeutic use 19858 19782* 27831* 80383*
Isonicotinic acid hydrazide SEE Isoniazid
Isooleic acid 57398*
Isoperla 56029 29817*
Isophrictis tanacetella 5537
Isophya 47212 47219* 47221*
Isoplexis canariensis 16949*
Isopods
anatomy and physiology 12770* 12777* 38036* 55712*
as pests 55399*
California 64310
control 29044
ecology 46777
Finland 92335
geographic distribution 92342
Great Britain 92322 92342
habits and behavior 4945* 37448* 38009* 73585*
Kentucky 4964
Minorca 21080*
North America 29272
nutrition 37448* 38009*
research
statistical methods 55712*
Tasmania 4920
taxonomy 82193*
types 21480*
USSR 55654*
Yugoslavia 38037*
Isoprene 14565* 69242*
Isopropamide 72295
Isopropyl-N-(3-chlorophenyl)-carbamate SEE CIPC
Isopropyl N-phenylcarbamate SEE IPC
2-Isopropylcyclopentanone 84828*
3-Isopropylphenyl N-methyl carbamate 81510 81583
Isopsoralene 50666
Isoptera SEE Termites
Isopyrum fumarioides SEE Leptopyrum fumarioides
Isopyrum thalictroides 86435*
Isoquercitrin 60319*
Isorhamnetin 25186* 42960*
Isosoma SEE Tetramesa
Isothiocyanates 1334 51512 77792
Isotoma 38585 47260
Isotomidae 5632 38586 82892
Isotominae 21508 38584 38585
Isotomodes 21508
Isotomurus 38584
Isotopic dilution technique 65067 65095
Isovalerate 27687 53813
Isoxanthopterin 21165
Israel Yearbook 14880
Issidae 73743*
Isthmoplea sphaerophora 15835
Istituto Finanziario delle Cooperative Americane e Italiane 32295
Isturgia 47185*
Isturgia limbaria 5392*
Itaconic acid 51561
Italian ryegrass SEE Lolium multiflorum
Italoniscus n g 82193*
Italy Azienda di Stato per le Foreste Demaniali 18640

Item

Italy Consiglio Nazionale delle Ricerche
Centro di Studio per la Citogenetica Vegetale 873*
Italy Corpo Forestale dello Stato 35842*
Italy Ministero dell'Agricoltura e delle Foreste 40822*
Italy Monopoli di Stato 75784*
Italy Serv Veterinario Militare 11374*
Itame brunneata 5339
ITBON SEE Arnhem Instituut voor Toegepast Biologisch Onderzoek in de Natuur
Itersonilia 24100
Ithome 64637
Ithomiidae 55946
Itonididae SEE Cecidomyiidae
Itoplectis 47104
Itoplectis conquisitor 29605 64531
Itoplectis europeator 29576
Itychus n g 73616
Iva xanthifolia 86521*
Ivanov M F 15545* 94893*
IVT semen diluent SEE Illini variable temperature diluent
Ixia 67462
Ixiolirion montanum tataricum 34738*
Ixiolirion tataricum SEE Ixiolirion montanum tataricum
Ixodes 21034 81489
Ixodes affinis 92027
Ixodes apronophorus 37572*
Ixodes bakeri 46775
Ixodes crenulatus group 73557*
Ixodes holocyclus 55260
Ixodes lividus 4457*
Ixodes malayensis 92331
Ixodes muris 12385
Ixodes pacificus 37576
Ixodes persulcatus 28838* 37517* 37562* 55254* 55340* 63841* 63867*
Ixodes (Pholeoixodes) 73557*
Ixodes ricinus 29306 37514 37590 37591 46800 53863* 63802* 73158* 73171* 73563* 81541*
Ixodes tiptoni 73562
Ixodes trianguliceps 46408 55340*
Ixodidae
Africa 21034 63869
anatomy and physiology 29323* 46785* 64296*
Eastern States 29289
ecology 55671
larvae 46785*
taxonomy 46775 73560 73561 73557*
USSR 64285* 64315* 64303* 92006*
Ixodides SEE Ticks
Ixodiphagus 47088
Ixodoidea SEE Ticks
Ixodorhynchidae 73556*
Ixodorhynchus 73556*
Iziphya punctatella 5254

Jaapiella medicaginis 92082
Jaarboek Tuinbouwtechniek 21536*
Jacaranda 67499
Jachimowski S 76747*
Jack pine SEE Pinus banksiana
Jack-pine budworm SEE Choristoneura pinus
Jackbeans 51490 34903*

Item

Jackson H C 41198
Jacob M 41202*
Jahrbuch für Rassegeflügel-Ziergeflügel- Exoten- und Kanarienzüchter 28170*
Jamaica Agricultural Development Corporation 31833 76015
Jamaica Agricultural Society 23542
4-H Clubs 40893
Jamaica Banana Board Research Dept 69719
Jamaica Coffee Industry Board 65302
Jamaica Marketing Dept 30179
Jamaica Ministry of Agriculture and Lands 32498
Jamaican Association of Sugar Technologists 22853
Jámbor V 76735*
Jamitettix 64499
Janisch E 15559*
Jansen J W 41167*
Jansonius 82215*
Japan Dept of Agriculture and Forestry
Dept of Forestry 70975*
Nagoya Forestry Off 90045*
Osaka Forestry Off 18684*
Japanagromyza 21237
Japanese American Soybean Institute 7049 40056
Japanese beetle SEE Popillia japonica
Japanese holly SEE Ilex crenata
Japanese in California 23091
Japanese lacquertree SEE Toxicodendron vernicifluum
Japanese larch SEE Larix leptolepis
Japanese millet SEE Echinochloa crusgalli frumentacea
Japanese peppermint oil 7100 84829 84828*
Japanese red pine SEE Pinus densiflora
Japanese white birch SEE Betula platyphylla japonica
Japygidae 64716*
Jaragua SEE Hyparrhenia rufa
Jasmine oil 14489 31337 84860*
Jasminocereus 67430
Jasminum 14489 41388 50037 55475
Jasminum sambac 8570
Jassargus 46994*
Jassidae SEE Leafhoppers
Jassoidea SEE Leafhoppers
Jativa n g 29702
Jatropha 67437 67479
Jatropha curcas 8589
Jaundice 7353* 27331* 37353*
insects SEE Polyhedroses
Javacarus 29291
Jávorka S 67215* 76703* 76723* 94922*
Jaws 28028 62760 80568* 81337* 91181*
Jeannel R 49788*
Jeanneliusa 82292*
Jeanvoinea 82225*
Jeffrey pine SEE Pinus jeffreyi
Jehlia 41431
Jelaca D 86197*
Jellies and jams 6716 30905*
analysis and composition 14064* 39157* 65712*
fortified 94824*
judging 74479
manufacture 75210 31038* 65831* 84356* 93630* 93647*
quality 84190*
trade 67060*
vitamins 31038*

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Item

Jena Institut für Landwirtschaftliches Versuchs- und Untersuchungswesen 51600*
Jenkinshelea 55828
Jepsonia 50762
Jerusalem artichokes
analysis and composition 13900* 84328*
anatomy and physiology 9171* 16310* 16605* 24888* 34092* 34191* 51270* 51393* 59463* 59908* 59941* 60134* 68763* 87294* 87836* 87985*
biochemistry 9251* 9252* 34265* 60323* 69272*
breeding 17588* 43618*
culture 8965* 9480* 9804* 78136*
feed 19397*
harvesting 9171*
morphology 16309* 87294*
planting 60900*
storage 84328*
yields 60900*
Jerusalem cherry SEE Solanum pseudocapsicum
Jerusalem Hebrew University Dept of Botany 42572
Jiffy pots SEE Planting bands and pots
Jobs tears SEE Coix lacryma-jobi
Jodhpur Central Arid Zone Research Institute 76048
Jodogne M L M 41194*
Joenia annectens 38582*
Johannesburg Produce Market 39678
Johannesteijsmannia 8236
Johansson I 58401*
John Innes Institute 9559 24702 69692
John XXIII Pope 14923*
Johne's disease 11319 19514 27320 11321*
cattle 19786 36536 62878 27813* 36654*
diagnosis 45650 54393 27360* 27740* 27835* 36583* 36623*
France 11580
immunization 36609
India 54256
Japan 72156*
Northern Ireland 36667 45650 54393
goats 91696 81053*
Japan 11302
laboratory animals 63188 72452*
reviews 45327 54393
sheep 4120 28524 37258 63471
Johnson M C 86201
Johnsongrass SEE Sorghum halepense
Johnston I M 8048
Joint FAO/WHO Program on Food Standards 47719
Joints 45357
buffaloes 19911
cats 20040 45322
cattle 11596 19806 45685 93849 36665* 45668*
diseases 3180
dogs 45322 54565 72334
diseases 54570* 54633* 63058* 72340* 72354*
dislocation 11745 20040
horses 3783 11834 63150 72427
poultry 3910 11947*
rabbits 37148 45322
swine 81282*
Joints (woodworking) 2979 19157 19238 36006 36007 36014 53546

Item

Joints (woodworking)--Cont 53628 53722 56263 71500 79468 79518 79620 90402 11019* 35946* 62131* 62133* 62137* 62211* 71492* 79519* 90474*
Jonathan spot
apples 31035
Jongh D K de 94891*
Jönköping Lantbrukskemiska Kontrollstationen 67152*
Joppidium 38417
Jordan H E K 4318 38032
Jordan Dept of Agricultural Research
Deir Alla Research Station 69291
Jordan Dept of Lands and Surveys 31963 94395
Jordanoleiopus 46817*
Jordbrukets Bank 57685*
Jornadas Citricolas Argentinas 60669*
Jøsang H 15523* 15524*
Journal of Dairy Science 6177
Journalism 15212 40855 40901 40955 49487 66912 76415 85867
Canada 85822
Europe 49458
Germany 85892*
Great Britain 49469
Italy 40858 7752* 85823*
New Zealand 58151
Poland 75390*
Rhodesia and Nyasaland 85872
Vermont 7753
Journee d'Etude sur les Corps Gras dans l'Alimentation 49727*
Journees Nationales de l'Abricotier 34645*
Jouy-en-Josas Centre National de Recherches Zootechniques 62500*
Jovibarba 76985
Juglans
abnormalities 33628*
acreage and area 75086
bacterial diseases 16104 67960 67970 33356* 86893*
breeding 25685*
Central America 76962
culture 25680*
Australia 17401
Italy 17396* 34692* 34693*
Oregon 34696
Switzerland 52011*
USSR 43459* 79184*
diseases 15975 41600 33056* 86947*
hybrids 25685*
injuries 41696
Mexico 76962
morphology 33628*
nutritional deficiencies 16711 34158
pest control 12569 41600 55495 73267 73380*
pests 13043 92143
planting 61947 88980
propagation 17391
rootstocks 67960
USSR 33567*
varieties 41696 69799 69801 88980 78096* 89294*
weed control
Juglans cinerea 60739* 79197*
Juglans mandshurica 61808*
Juglans nigra
anatomy and physiology 24812*
growth 2645
injuries 318
pest control 20824

Item

Juglans nigra--Cont
planting 2750
propagation 52011*
pruning 18880
varieties 43454
Juglans regia
anatomy and physiology 60158 73326* 87781*
culture 1749*
Italy 69794* 88977*
Michigan 17408
USSR 60734* 69798* 71114* 88978*
disease resistance 67973
fertilizers 18356
fungus diseases 24376* 59035* 67935*
hardiness 69014*
hybrids 60739*
morphology 16386 59487*
nutritional deficiencies 18356
Pennsylvania 43455
pest control 64002
propagation 60735*
seeds 9687
spraying and dusting 60158
varieties
Michigan 17397
New England States 17406
Northern States 17390
Southern States 17395
USSR 17399* 17404*
Jugohydracarus acherontis SEE Bogatia maxillaris
Jujube 25596*
Julbernardia setetii 70333*
Julus sabulosus SEE Schizophyllum sabulosum
Juncaceae 58939
Juncus 1914* 17748* 70042*
Juncus effusus 24267 86464 9922*
Juncus pauperculus 41451*
Jungermannia viridis 24629
Jungermanniales 42737 87669*
Juniper wood oil 19281* 84826*
Juniperus
culture 90140*
ecology 59252 42088*
mortality 90269
Pennsylvania 50035
pests 21325* 64573*
pollen 8712*
propagation 9701 9792
wood 2995 10914
Juniperus communis 16219* 19281* 24845* 42175*
Juniperus horizontalis 19328
Juniperus osteosperma 90093
Juniperus utahensis 90284
Juniperus virginiana 2760
Junk-Schenkling Coleopterorum Catalogus 46906
Juranyi L 76702*
Juranyiella n g 67561*
Jurinea 15759
Jurinea depressa 58619*
Jurisprudence 7468 23168 66600 49260* 65141* 85694* 94340*
Justicia gendarussa 42815
Justrich M 20952*
Jute
acreage and area 14312 84115
analysis and composition 65608 30854*
anatomy and physiology 988 16728 25112 33990 42526 77586 87493
associations 48210
breeding 60484
costs and returns 93485
credit 94179

Item

Jute--Cont
culture 88476 25405* 60489*
cytology 16395
deterioration 65589 65637 93486
fertilizers 10177 10219
fungus diseases 41799 16043*
harvesting 25405*
hybrids 16395 60484 68445
industry 6594
Europe 56886
Far East 56886
India 13959 22185 30749 30750 84054 93485
Taiwan 48181
Thailand 22273
lubrication 93480
microorganisms 65589 65637
moisture 14008
morphology 8739
nutritional deficiencies 51021
pest control 4594
pests 12954
planting 1532
prices 84115
processing 13931 14008 48182 48229 56847 65592 65628 74954 84011 22260*
properties 6458 6536 30755
seeds 87493 87826
situation and outlook 22177
spinning 6514 93480 93526
statistics 22172 22218 22276 83581 84052 22167*
structure 6471 48230 84011 22213*
study and teaching 6561
tests 6458 6471 56909 84073
textiles 13973 93486
trade 94179 94344
utilization 65587 84041 84042
weight and measurement 56841
yarn 6471 48230 6583*
yields 14312

Kabatia 67583*
Kabatiella caulivora 42533 86872*
Kadang-kadang
coconuts 552 578 42044 50235 50474 59147 59148 87066
bibliographies 15918
Kadocsa Gy 94916*
Kafir 13655 24278 42362 46472 47859 86835
Kafirchthonius n g 82126
Kaki persimmons
analysis and composition 75101
anatomy and physiology 25041 25602* 69153*
culture 60655*
frozen 75215*
fungus diseases 67929*
preharvest drop 25041
soils 26200*
utilization 48477*
varieties 25602*
Kakothrips robustus 12469

*Text of this reference is not in English.

Item

Kala-azar 20614 73163 81516 4474* 54561* 55250*
Kalaharicus n g 21449
Kalanchoe 16642 42706
Kalanchoe blossfeldiana 34055 42926 42626* 50902*
Kalanchoe crenata 87347*
Kalanchoe daigremontiana
  anatomy and physiology 24638 24827 520* 1038* 33887* 68750*
  bacterial diseases 520 33351* 67957*
  hybrids 87347*
Kalanchoe laxiflora 24978*
Kalanchoe miniata 50090
Kalanchoe pinnata 24827 59939
Kale
  analysis and composition 75097
  anatomy and physiology 51118 70003 88072 25155*
  costs and returns 32062
  culture
    Iceland 51786*
    Netherlands 43633*
    New Zealand 69969
    Poland 88072*
    Sweden 51736*
    USSR 70587*
  feed 36509 71683 63251*
  hybrids 87417
  injuries 35043
  varieties 9856
  weed control 35030 89389
  yields 9856 43617 70003
Kalignost method 10485*
Kalimeris SEE Calimeris
Kaliningrad Sel'skokhozyaistvennaya Opytnaya Stantsiya Biblioteka 66902*
Kalmar Läns Norra Hushallningssällskap 7985*
Kalmia angustifolia 25945 89403
Kalmia polifolia 58704
Kalmusia 8284*
Kalotermes 21503 81853
Kalotermes flavicollis 29187 81885 5608* 29240* 29799* 38582* 47239* 55214* 64725* 82872* 82916*
Kalotermitidae 21493 21503 82883 82884
Kambaitia n g 64554
Kaminski Z 86176 67198*
Kanamycin 77518 45621* 87817*
Kanetisa circe 82691*
Kangaroo meat 39973*
Kangaroos 324 55262
Kansas Agricultural Experimental Station 94944
  Area Development Project 23149
Kansas City (Mo) Board of Trade 48533
Kansas Crop Improvement Association 88269
Kansas Farmers Union 94710
Kansas Livestock Association 93794
Kansas State Agricultural College 15596
Kansas State Board of Agriculture 94847 94855
Kansas State Grange 40894 76452
Kansas State University of Agriculture and Applied Science 6802 94658
  Extension Serv 40826
  Wheat Education Center 39868
Kansas University Snow Museum 73669

Item

Kansas Wheat Commission 75308
Kaokochloa n g 156
Kaolin 83978*
Kaolinite 78338*
Kapag process 6138*
Kapok 17121* 51709* 88483*
Kaposvár Állategészségügyi Intezet 27363
Kappen method 70293* 70300*
Karabalyk Opytnaya Stantsiya 69295*
Karakoeltelersvereniging van Suidwes-Afrika 37176*
Karathane 48338 24209* 86834*
Karl Fischer reagent 56639
Karnobat (Bulgaria) Kompleksen Selskostopanski Nauchnoizsledovatelski Institut 69358* 69403*
Kaschin-Beck disease 53794*
Kassongia 21461*
Kas'yanenko V H 76729*
Katelsous 81834
Katydids SEE Tettigoniidae
Kauri (tree) SEE Agathis australis
Kayangulam Central Coconut Research Station 26177
Kazachstanicus n g 38289*
Kazakhskii Nauchno-Issledovatel'skii Institut Ekonomiki i Organizatsii Sel'skogo Khozyaistva 76139*
Kazan Nauchno-Issledovatel'skii Veterinarnyi Institut 79906
Kazolini S S 76734*
Keep Washington Green 35857
Kefir 6393* 39395*
Keithia thujina 50383 86877
Kellogg C E 49790*
Kelly H L 86146
Kelp SEE Seaweed
Kelthane 30130 64030 55202* 64005*
Kemithal 54669*
Kemper H 49782*
Kenaf
  abnormalities 87456*
  anatomy and physiology 16728
  conferences and congresses 22278
  culture 43179 43183 34468* 77917* 77921*
  disease resistance 77911
  fungus diseases 16043*
  genetics 903 68493 87456*
  industry 43183
  Italy 34474*
  morphology 59574 59578*
  pests 92110*
  processing 6523
  retting 75029 22186* 93479*
  situation and outlook 65622
  statistics 22173 65618*
  varieties 68493
  weed control 89280*
Kennel Club 45760
Kennel cough SEE Tracheobronchitis
Kenrickodes n g 38519*
Kentucky Agricultural Experiment Station
  report 49881
Kentucky bluegrass SEE Poa pratensis
Kenya Dept of Agriculture 4113 15499 58369
Kenya Farmers' Association (Co-operative) 32307
Kenya Forest Dept 26708
Kenya Lands Dept 14987
Kenya Meat Commission 39889
Kenya Ministry of Agriculture Animal Husbandry and Water Resources 76663

Item

Kenya Veterinary Dept 27379
Kepone 4723 4726 4732
Kepong (Malaya) Forest Research Institute 18645
Keratin 80208 84037 72149* 91407*
  fibers 22274 48227 56863 65600 65611 83995 84057
  in wool 6599 39908 48159 48278 65648 83995
Keratitis 19788 80393*
Keratoconjunctivitis 37224 36651* 54562* 62405* 80948* 91130*
Keratoma 45841*
Kerekegyháza Homokfásító Kisérleti Erdészet 61914*
Kermesia 73763*
Kerna F 23800*
Kernel-spot
  Corylus avellana 58982
Kernia 8314
Kerosene 4359 28851 80470*
Kertomesis n g 64622
Keto acids SEE Oxoacids
Ketoglutarate dehydrogenase 68622
alpha-Ketoglutaric acid 88149*
Ketone bodies
  cattle 11694 27822* 36619* 62935* 80435*
  sheep 12148 63511 63516 72830*
Ketones 48826 84861
Ketosis
  cattle 11589 19805 36715 62737 62926 91087 91105 19894* 36603* 54304*
    diagnosis 91066 27822* 36597* 36735* 72168*
    treatment 11553 27853 91106 11672* 19850* 19877* 19910* 27751* 62903*
  guinea pigs 3808
  sheep 12148 12156 63511 12166*
  swine 28681
  SEE ALSO Pregnancy disease
Ketosteroids 80649 80468*
Ketz A 86188*
Kevanacris n g 82821
Kew Royal Botanic Gardens 17493 32674 41292 67319 67496
Kewochthonius 21053
Key Village Scheme (India) 80041
Khachia n g 47130*
Khadzhinov M I 94913*
Khapli wheat 512
Khapra beetle SEE Trogoderma granarium
Kharkov Zooveterinarnyi Institut 79803*
Khaya senegalensis 41379
Khellinin 16904*
Khellol glucoside SEE Khellinin
Kidney function tests 81090 36774* 46135*
Kidney worms 20075 45758* 63112*
Kidneys 53931* 79762* 79774* 90635*
  cats 63083 3649* 72313*
  cattle 11248 54400 62409* 80272* 80395* 91019*
    anatomy and physiology 11544* 62863* 72058* 72241* 80213* 80238*
    diseases 19900* 27795* 45641* 54285* 62866* 80258*

Item

Kidneys--Cont
  dogs 11764 28032 28048 3669* 36774* 36810* 54512* 63022* 63030*
    diseases 20021 36821 54548 63042 72335 28056* 63013* 72302*
  ducks 3919 11991 80842*
  elephants 27346
  goats 81052*
  guinea pigs 91340*
  horses 80640*
  laboratory animals 54684*
  poultry 3946 11949 12004 36961 63332 63333 80874 80841*
  rats 80689*
  sheep 12154 37237 63503*
  swine 81247 55141* 62409*
Kids 19788 63457 81021 37248* 54936* 81110* 91728*
Kiefferophyes n g 12874
Kiel Bundesforschungsanstalt für Milchwirtschaft 83905*
Kiel Institut für Milchhygiene 65478*
Kiel Landwirtschaftliche Untersuchungs- und Forschungsanstalt 76795*
Kikuyugrass SEE Pennisetum clandestinum
Kilikiostroma n g 67578*
Kilimanjaro Native Co-operative Union 76484
Kilmag SEE Calcium arsenate
Kilns 18992 79476 79578
Kimenus n g 46910*
Kinetin
  effects on plants 8828 16404 16723 42740 51127 51229 60023 68377 88151 8949* 9077* 16853* 24888* 33351* 34108* 42553* 50695* 68806* 68807* 87584* 87696* 87859* 88004* 88073*
  effects on seeds in plants 51376 16595 24802*
King David spot
  apples 8373*
Kingdonia uniflora 751
Kingston (Ontario) Queen's University 79802
Kinin 21320 48484 8918*
  reviews 60127*
Kip 62700*
Kirgizskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva i Veterinarii 79768
Kirkia 41247
Kirschsteiniella thujina 41863
Kirstenbosch Newlands National Botanic Gardens of South Africa 8148 8149 32685
Kisatchie National Forest 26716
Kishinev Botanicheskii Sad 86309*
Kitchens 47570 58445 58447 83254
Kittada n g 55815
Kittada pucciniae 55815
Kjeldahl method 22508 84206 93330 31615* 52483* 74400* 74742* 83788*
Klebsiella 3159* 45603* 62853* 72217*
Kleidotoma 29593*
Kleinia radicans 69025
Kleptochthonius 29311
Klobouk's disease SEE Teschen disease
Klossiella equi 20075
Kloth W 23804*
Kluge E 15536*
Knema 76973

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Item

Knemidokoptes mutans 55303*
Knotweed SEE Polygonum
Knoxia corymbosa 8787
Knoxia zeylandica 16901
Knulliana n n 82294
Kochia indica 69026
Koeleria gracilis 59275*
Koeleria talievii 16312*
Koelreuteria paniculata 24263*
Kofa 19403*
Kohlrabi 34912* 69999* 89221*
Kohlrauschia prolifera 67409
Kok-saghyz 88154*
Kolkhoz SEE Collective farming
Kolkwitzia amabilis 60824*
Koller G 15525*
Koltay Gy 49803*
Kolwe E 49793*
Konferentsiya po Izucheniyu Proizvoditel'nykh Sil Vostochnoi Sibiri 85392*
Konferentsiya po Razvitiyu Proizvoditel'nykh Sil Vostochnoi Sibiri 18641* 85393*
Konferentsiya po Voprosam Tsito- i Gistokhimii 50722
Konpasil 90527*
Kooi J van der 67192*
Kopsia longiflora 60299
Korabel'naya Lesnaya Dacha 26810*
Korlan SEE Ronnel
Korovin E P 76756*
Korthalsella opuntia 43828
Korzhinskii S I 86175 86394 15578*
Koschabek F 86202*
Kotochalia junodi 82228
Kovalevskii A O 37507*
Kozhanchikov I V 41175*
Kozo-Polyanskii B M 94886*
Krakow Instytut Zootechniki Zaklad Hodowli Koni 63182*
Krakow Wyzsza Szkola Rolnicza 40885
Kraljevo (Yugoslavia) Sumsko Gazdinstvo 79221*
Kramer U 20952*
Krasnozem soils 70462*
Kraussiana n g 4955
Krebs cycle SEE Citric acid cycle
Kreditforeningen af Ejere af Mindre Ejendomme paa Landet i Östifterne 40312*
Krillium 25005*
Krisnidae n fam 55855
Kristianstads Läns Hushallningssällskap 67153*
Krizousacorixa femorata 82546
Krokan O 41174*
Krombia 47130*
Krøyer process 7256*
Kuala Lumpur Institute for Medical Research 81538
Kuc M 33007*
Kudzu 42556 67518* 69630*
Kuibyshev Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya 90612
Kuibyshev Sel'skokhozyaistvennyi Institut 23517*
Kuldscha 38490*
Kulka method 71948*
Kumquats 84374*
Kunkelia nitens 9244
Kunugia yamadai 82796*
Kununga 64510
Kunz A 23786*
Kuratorium für Kulturbauwesen 78838*
Kuron 17768 17815
Kurosal G 52280
Kurosal SL 52280
Kurtomathrips 47229
Kuschelomyia n g 64432*
Kutira gum 94099

Item

Kuylenstjerna G 41183*
Kybos 46994* 47052*
Kynurenine 5144* 24822*
Kyphopompilus n g 5270

La Bathie H P de 58414*
Labdia 21366
Labeling 47757 56436 67093
SEE ALSO UNDER specific subjects
Labiatae 17847 25981 33749* 56473* 77363*
Germany 8258*
Libya 86496*
Michigan 24678
Nepal 41468*
Republic of South Africa 101
Labidomera 29338
Labidomilla 5270
Labidostomis 21113 55739*
Labidostomma 92316
Labidostommidae 92316
Labidura riparia 5590
Labiduridae 29792
Labidus praedator 46955
Labor 57766* 85287*
accounting 76229*
Germany 40405* 85296*
Poland 14794* 66442*
USSR 85284 7444* 66467* 66481* 75914* 75917*
Africa 66485
agreements 40402 14746* 14800* 66490* 66491*
and mechanization 14790*
Czechoslovakia 31758* 82938*
Germany 18648* 31765* 49062* 56089* 57728* 94207*
East Germany 21632* 92814* 94248*
Hungary 73962*
Italy 56089* 66455* 82796*
Japan 94238*
New Jersey 40409
Pacific Northwest 40371
Poland 92700*
Republic of South Africa 29868 82994
Rumania 5688*
Switzerland 21692* 23107* 29873*
USSR 56100 5711* 7446* 14760* 14952* 23077* 31763* 40393* 49068* 49088* 66448* 75925* 75953* 75958* 85266* 85281* 85314* 90325*
Virginia 57914
Austria 66490* 66491*
Brazil 23114 14776* 85283*
British Cameroons 7336
California 49092
camps 74317
Ceylon 23105
China 31760
conferences and congresses 14764 85291 94389*
contract 40370
Germany 64844 13190* 21630* 30002* 31775* 45019* 47272* 47503* 49107* 57748* 58861* 61536* 64114* 64772*
Netherlands 23099* 40394*
costs 14138 31771 32049 73933*

Item

Labor--Cont
costs--cont
Czechoslovakia 85613* 85637*
Germany 23085* 31775* 49107* 57756* 76106*
East Germany 14759* 14762*
Italy 31759*
Netherlands 40394*
USSR 62054*
United Arab Republic 23086
Denmark 31770*
education and training 49080 57754 57782 75955 85275
Colombia 40366*
Denmark 14787
Germany 49074* 64772* 75955*
East Germany 75923*
Netherlands 94229* 94255*
Rhodesia and Nyasaland 40379 57760
USSR 75963* 79444*
employer relationships 23088
Austria 66490* 66491*
Great Britain 14752
Italy 85322*
Philippines 40374
Spain 23053* 23097*
energy requirements 57761 7443* 66480* 85312* 94213*
Europe 23094* 31755* 40369*
France 14746* 40372* 57633* 66476* 75932*
Germany 14783* 15107* 47529* 75915* 75942* 75950*
East Germany 57770* 94248*
Ghana 85530
Hawaii 22987
history 15207 66445
Austria 85301*
California 23091
Estonia 66471* 66487*
Germany 23115
Southern States 7375
USSR 66458*
hours 14752 85280 14786* 23078* 75917* 94239*
housing 66445 74317 92986
Hungary 85267
India 7435 14767 23090 31760 40332 85305
Israel 94625
Italy 14728* 14800* 94236*
Japan 66466*
Java 32128
legal aspects 14776* 57770*
legislation 66483 94244
California 7432
Denmark 94245*
Germany 94254*
Italy 23117* 85322*
Netherlands 5677* 7440*
Philippines 40398
Portugal 94237*
Switzerland 94205*
USSR 14745* 94226*
Virginia 85279
management 38944 38965 40389 40390 40392 10540* 70956* 75930* 75947*
Austria 94216*
Belgium 94221*
California 49091
Czechoslovakia 31756* 66488*
Denmark 10540*

Item

Labor--Cont
management--cont
France 31773* 40381* 57763*
Germany 7417* 14747* 14792* 40404* 47559* 49066* 49073* 49107* 49110* 57783* 75931* 76125*
East Germany 7442* 14763* 14782* 75940* 94378*
Great Britain 66464
Hungary 31761
Illinois 85298
India 7419
Italy 49063*
Netherlands 49071*
Poland 14778* 14794* 23102* 94231*
Rumania 23080* 75919* 75924* 75959*
Switzerland 40406*
Tropics 75946*
USSR 7425* 14784* 14797* 66493* 75910* 75938* 75945* 94227* 94249* 94258*
Yugoslavia 10680*
migratory 7416 14764 23113 31768 32158 49106 66445 66461 74317 85278 94244
Austria 66491*
bibliographies 14806
California 7361 7441 23071
developing areas 14756
directories 66454
Florida 14757
Maryland 58160
Mexico 85304
New York 76434
Pennsylvania 76434
policies and programs 66454 75960
Southern States 57735
mobility 7447 32131 57731 57733 55734 57736 57739 57743 55747 57750 57752 57777 57779 57780 57782 57784
mountain areas 66466* 66476* 66549* 85319*
Ohio 14727
Pakistan 94127
Philippines 40402
Poland 57744*
policies and programs 23081 57750 66461 75937 85311 94206 57732*
Europe 75949*
European Economic Community 14775* 40386*
Germany 14774
East Germany 94430*
India 23066
Italy 40388* 94210*
Mexico 40412
Ohio 40746
Philippines 40398
Switzerland 23108*
USSR 66472*
productive capacity 6098 14781* 14790* 75950* 75957* 79445* 94208*
Austria 66549*
Bulgaria 7434* 40387*
Czechoslovakia 31758* 85431*
Germany 23073* 23527* 49064* 49098* 57771* 75920*
East Germany 76056* 85307* 92814* 94204* 94214*

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Item

Labor--Cont
productive capacity--cont
Hungary 49086* 73962* 75936*
India 31887
Italy 49069*
Japan 49095 47303*
Poland 23095*
Republic of South Africa 14766*
Rumania 10925* 75916* 75934*
Southern States 93970
USSR 7425* 7427* 7439* 14742* 14761* 14779* 14793* 23077* 23082* 31752* 31763* 31780* 35922* 49068* 49089* 49093* 49096* 49097* 66448* 66449* 66481* 66493* 66705* 75928* 75935* 78909* 85316* 85317* 85319* 94227* 94249* 94251*
Yugoslavia 94233* 79070*
recruiting and placement 57779 85278
Alabama 40376
California 40400 49108
Indiana 7424 31764
Montana 49082
New York 40407
North Dakota 66456
Pacific Northwest 40373
Pennsylvania 40380
requirements 7431 23113 49084 14781* 94215*
France 94209*
Germany 14747* 31775* 49107* 94207*
Poland 66442* 66470*
research
statistical methods 49084 57730
situation and outlook 7436 14796 23067 23069 31767 31779 31781 40385 40413 57778 75952 85291 85300 85309 94250 7347*
Arizona 57729
California 14751 85272
Germany 75927* 75955*
East Germany 66338*
Hungary 7479*
India 7438 23066 23083
Indiana 7424
Italy 14772* 94240*
Louisiana 40397
Oregon 40375
Philippines 85273
Poland 66489*
Virginia 85279
standards 31914*
Bulgaria 40387*
Czechoslovakia 53105* 66465* 85293*
Germany
East Germany 14743*
Hungary 66460*
Poland 40395*
USSR 14760* 14785* 23078* 49089* 75912*
statistics 14796 14802 23075 23100 49072 49105 93193 94218 23093*
Belgium 83573*
Germany 85290*
India 75948
Italy 75962*
strikes 40367
Sweden 40411*
terminology 57746*
unions 7433 23067 23068 23088
Bulgaria 85318

Item

Labor--Cont
unions--cont
California 40401 40415
Czechoslovakia 53928*
France 85294*
Indonesia 23111
Spain 23097*
Sweden 14773*
Uruguay 14807*
work management 23096 40408 57761 58447 75939 85286 85320 7448* 14791* 75941*
Austria 85306*
Belgium 7418* 66486*
Bulgaria 40387* 66463*
France 49070* 57736* 94230*
Germany 40403* 40410* 49079* 49102* 57746* 94223*
East Germany 23087* 23109* 23112* 57755* 94235* 94247*
Great Britain 7430 57759 85295
Latvia 85274*
Netherlands 14758* 14765* 49349*
Poland 85270*
study and teaching 57764
Switzerland 23089*
USSR 14754* 14777* 14804* 15051* 40393* 40396* 40414* 49067* 57741* 57767* 66452* 66492* 75953* 75958* 85265* 85281* 85303*
SEE ALSO Forest labor; and UNDER specific subjects
Laboratory animals 28158 28164 47743 11862* 19497*
anatomy and physiology 45849
breeding 20099 28130 28131 91336*
disease resistance 91342* 91343*
diseases 3798 28148 91344
feeding and nutrition 45849 91338 80674*
genetics 20099
germ-free 20116 28160 45863*
housing 45868
identification 28162
lactation 91338
legislation 28163
poisoning 28752 36931* 39715*
SEE ALSO SUBHEAD as laboratory animals UNDER names of domestic animals
Labromyia n g 82382
Laburnum 16182 321* 60949*
Lac 12348 46368 55194 81424 91964 1128*
Lac insects 21295 37471 38320 46354 55194 63758 81424 82539
La Canada (Calif) Descanso Gardens 1824
Laccase 25231 34309 88194
Laccifer lacca 73733 82539
Laccophilus 21114* 38075*
Lacellinopsis desmostachyae 41572
Lachnella 15859 33001
Lachnosterna consanguinea 4626 20759
Lachnus nudus SEE Cinaria escherichi
Lachnus persicae 73236*
Lacinius 55687*

Item

Lackerbaueria 64275
Lacquer SEE Paints and varnishes
Lacrimal gland 27400* 62586* 80571* 80642* 80687* 81242*
Lacrymaria SEE Psathyrella
Lactamine 22098*
Lactarius 87704
Lactarius torminosus 69217
Lactate dehydrogenase 46750
Lactates 72084
Lactic acid
bacteria 13738 13848 56657 65396 65502 74692 93326 93569 6234* 39353* 48429* 56665* 56738* 65306* 65325* 74750* 93322* 93384*
chemistry 84454*
determination 6209 21972* 57570* 74614*
enzymes 1407
fermentation 30275* 39052*
in animal physiology 4100 37160 45182 72220*
in blood 63144* 91533*
in dairy products 6209
in feed 45480*
in food processing 57092* 57093* 93642*
in insect physiology 21440
in meat 3341*
in sheep physiology 91708
in sugars 57570* 75773*
in wine 21960* 21972* 39140* 74575* 74614* 83666*
Lactobacillus 22096 6234* 74730*
fish products 31250*
livestock 20108
meat products 31250*
reviews 47942 56357
wine 83607*
Lactobacillus acidophilus 6203* 45360* 55103* 74714*
Lactobacillus bulgaricus 74709 30640* 80323*
Lactobacillus plantarum 62303* 62304* 62305* 84883*
beta-Lactoglobulin 6240 13740 22033 47668 83763 83774 83814 27877* 39365* 56790*
Lactones 4453 25206 60314 14474* 22098* 84860*
Lactose
analysis and composition 65399* 93309*
chemistry 65410
in dairy products 13739* 65389* 93309*
in semen dilution 11814*
in sheep physiology 12162
manufacture 30641*
Lactoserum 3572*
Lactuca 15789
Lactuca sativa SEE Lettuce
Lactulose 6196
Ladders 5743*
Ladino clover
anatomy and physiology 1043 16796 68609*
chemistry 62801
culture 1572 69612 17185* 34510*
fertilizers 68165 18283*
forage plant 62801
fungus diseases 86795
hardiness 1043
nutritive value 72059
pest control 334 1572
virus diseases 16134*
Ladybeetles; Ladybirds; Ladybugs SEE Coccinellidae

Item

Laelaps 38019 21050* 82145*
Laelaps agilis 12399*
Laelaps hilaris 46408
Laelaps nuttalli 55281
Laelaptidae 4922 64274 73581 81552 82124 92325
Philippines 64280 64281
Venezuela 82145*
Laelaspis 4922
Laelia coenosa 47168*
Laelia purpurata 25719
Laelieae 15723
Laemobothron 5594
Laemophloeus 46620
Laemophloeus truncatus SEE Cryptolestes turcicus
Laemostenus 46841*
Laena 92372*
Laer M H van 58413*
Lagenaria 12512
Lagenaria siceraria 563
Lagenaria vulgaris SEE Calabash gourd
Lagenidium 41856
Lagerstroemia indica 43504*
Laggera 8190
Lagochilus 15763*
Lagynochthonius 82126
Lake Carriers' Association 57163
Lake Land Egg Cooperative 22766
Lake States Forest Tree Improvement Conference 71230
Lakshadia communis 21295
Lakshadia mysorensis 38320 46354
Lakshadia nagoliensis 21295
Laktofil 39354*
Lamb dysentery 12128
Lamb meat
advertising 22591 48657 57259 84070 93829
analysis and composition 84622 93819*
consumer preferences 22586 39939
flavor and odor 39965
grading and standarization 14371 31282
judging 39965
marketing 48657
nutritive value 39939 49740 81076*
prices 6984*
processing 93882*
products 93820*
quality 22616 31277 31293 6984* 31286* 72810*
regulation and inspection 22618*
situation and outlook 6880 48593
transportation 93832
Lambdina fiscellaria somniaria 73844
Lambersaphis n g 73753*
Lambert mottle
cherries 41960
Lambliasis SEE Giardiasis
Lamborn's Chart of Comparative Raw Sugar Prices 40175
Lamborn's Chart of U S Raw Sugar Prices 40176
Lambs
abnormalities 20365 91737
advertising 22590
anatomy and physiology 4098 4100 4122 4126 4154 12118 12140 12161 20423 28441 28455 28533 37223 37232 46126 46127 63438 63491

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Item

Lambs--Cont
anatomy and physiology--cont
72821 81015 81044
81115 81123 4132*
12158* 20370* 20401*
28430* 28436* 37213*
54935* 72825* 72850*
72865* 72867* 91693*
care 13186 20392 20427
28548 81144 20370*
38807* 63546* 81032*
Australia 12169 12171
72894
Iowa 91751
Norway 54979*
Republic of South Africa 81142
Sweden 46095*
USSR 46143*
costs and returns 4085
15076 40681 58014
85648 94484*
deficiency diseases 12153
37229 37280 54967
20415* 54921* 63483*
81039*
degenerative diseases
28473 37243 4150*
4153* 37274* 37278*
81078* 91532*
disease resistance 63537
91711 37222* 72162*
diseases 20392 28464
28479 12142* 28481*
37234* 37262* 72880*
prevention 90633
28480*
treatment 72817* 72818*
feed relationships 54904
feeding and nutrition 3587
4076 4079 4080
4084 4132 12088
12095 12096 12140
12153 20340 20341
20346 27233 28435
28441 28446 28533
36512 37192 37197
37207 37243 40030
45536 46123 54889
54892 54893 54901
63415 63432 63491
80976 81004 91666
37191* 46114* 63427*
63429* 91650* 91663*
91681*
Australia 28443 81010
Bulgaria 37204*
costs 94484*
Czechoslovakia 28437*
deficiencies 46126
91719
equipment 38652
feedlot 4075 4084
4096 28433 28479
37190 37195 4097*
37225*
Hungary 46120*
Idaho 46111
Ireland 81001
Missouri 12103
New Zealand 20347
90633
North Dakota 4088
Northern Ireland 81011
nurse ewes 81100*
Oklahoma 54906
pasture and range 12098
12104 72842 81006*
81032* 91693*
Bulgaria 37206*
Great Britain 81009
Mississippi 20344
Nevada 37246
Northern Ireland 43250
Scotland 85648
USSR 63483* 63524*
91705*
recent developments 37200

Item

Lambs--Cont
feeding and nutrition--cont
Republic of South Africa 72816
reviews 28522
seasonal 20344 54904
Texas 37194
USSR 4087* 20343*
63421*
Wyoming 80997
grading 31281
growth 12096 20347
28482 37174 37200
37218 37270 37280
54892 63415 72842
81004 91678 12061*
12075* 20343* 28489*
37256* 54969* 63427*
63428* 63429* 63453*
63467* 63472* 63482*
63504* 63507* 63508*
72794* 72866* 81100*
91681*
hereditary diseases 63412
immunization 91736
industry 57230
infectious diseases 63437
63459 28518* 28531*
81109* 81291*
losses 93844
marketing 22601
meat production 28420
63550 81149
effects of age 31277
effects of breeding 37205*
effects of feeding 12098
37270 46117 46122
37205* 63416* 72809*
72810*
mortality 4155 12095
12107 20361 20411
91636
parasites 63506 72823
72884 81047 81055
81122 81123 91711
12115* 20414* 28505*
46159* 46262* 54969*
63519* 72083*
control 28532 28548
54911 63442 63458
63490 37225* 54976*
63524* 63527*
poisoning 72823
reviews 28522
prices 93860
respiratory diseases 81107*
91705*
statistics 40030 48729
trade 93860
viability 81000 81013
37271*
virus diseases 81060*
weaning 12095 20351
27233 37181 37218
72833
weight and measurement
37181 37197 37270
72833 91680 28481*
72860* 72872* 91723*
Lamecosoma 29769
Lamellicornia SEE Scarabaeoidea
Lamellobates 29291
Lamellocepheus n g 29283
Lameness
cattle 80428
dogs 80572 72298* 91240*
horses 3761 72401
20086*
diagnosis 28124 36891*
treatment 20070 54644
72427
sheep 54950
Lamiidae 82228 92360
92362
Lamiinae 46816* 46817*
82351* 92347* 92348*
Africa 29147 46815*

Item

Lamiinae--Cont
Congo 82224*
Neotropical Region 64397
Laminaran 16914
Laminaria 9272
Laminaria angustata 7323*
Laminaria digitata 69075
Laminaria digitata stenophylla 42152*
Laminaria hyperborea 16676
Laminaria religiosa 7323*
Laminaria saccharina 50575
Laminarin 16733
Laminitis 20093*
reviews 91321*
Laminosioptes cysticola 55350*
Lampetia 92438*
Lampetia equestris 37761
81833
Lampranthus 32738 67418
Lampria (Brychomyia) n sgen 82382
Lamprochernes 92317*
Lamproderma arcyrionema 811
Lampropepla 46876*
Lamproserica 82260*
Lampyridae 38126 38144
82271
anatomy and physiology
12800 12801 73656
92409
eggs 4972
habits and behavior 46862
12842* 21117*
larvae 12842*
taxonomy 21112 46863
46864 82299
Lampyris noctiluca 4972
12842*
Lamyctes coeculus 92334
Lancashire Veterinary Association 79751
Lancet flukes 3456*
3493* 28854* 55125*
81061* 80638*
Lancetes 38140*
Land
abandoned or idle 15148
Canada 66805
Germany 14994*
history 94557*
India 85760
Italy 58111* 76353*
85758*
New Mexico 7706
Pennsylvania 57955
USSR 18552* 76327*
76772*
appraisal 7719 7721
7722 32126 40765
40767 66862 85790
76349* 76350*
as an occupation 66680
Australia 40768 66870
94605
Europe 66863*
France 85791*
Germany 66803* 66863*
Italy 31748* 31749*
49405* 57726*
Latvia 32122*
Tanganyika 23307
32010
Texas 15159
USSR 15156* 58088*
94604*
USSR bloc 32127*
cadastral surveys 44679
France 85791*
Germany 85728*
Italy 40363* 49388*
85755*
USSR 15156* 49402*
Yugoslavia 49391*
classification 7711 23428
66830 85754 85768
Australia 40738 49387
Belgium 76315*

Item

Land--Cont
classification--cont
California 78529 85767
Czechoslovakia 66835*
Europe 66832*
France 66839* 66841*
Germany
East Germany 66844*
Hungary 49389*
India 58077
Italy 31748* 49398*
85755* 85774*
mountain areas 66839*
66841*
Pacific area 85780
Pacific Northwest 85740
Philippines 76341 85770
Rhodesia and Nyasaland 85773
Taiwan 49194*
USSR 79117* 85741*
85743* 85749* 94572*
94573* 94577* 94583*
94585* 94586* 94591*
94592* 94596* 94603*
Yugoslavia 66837*
clearing 35281 52689
83124*
California 44133
Canada 38708
equipment 13263 38708
38709* 47333* 47435*
79314* 89372*
France 26889* 79315*
Germany 38709*
Great Britain 18243
Italy 79314*
Mississippi Delta 2196
research
linear programming 35363
Uganda 4494
consolidation of holdings 93010*
Belgium 49029
conferences and congresses 66793*
Europe 66863* 70751*
European Economic Community 40730*
France 66804* 66810*
85687*
Germany 7604* 40509*
40711* 66789* 66792*
66793* 66795* 66797*
66803* 66808* 66809*
66811* 66814* 66817*
66863* 76306* 85680*
East Germany 17000*
58068* 85679*
Hungary 66815*
Italy 32080* 94538*
Japan 32087* 66801*
legislation 94554
mountain areas 32081*
58068* 66804* 66810*
85679*
Netherlands 76298
7688* 15130* 23390*
40704* 40719* 49358*
49361* 66806* 94189*
94548 94652*
Norway 58062*
Spain 15135*
Sweden 66807
Switzerland 15123*
15128* 15139*
economics 71007*
expropriation 7719 76304
40723 94543*
fragmentation of holdings
47303* 58064* 66799*
85480* 94562* 94965*
grants 32021 85716
history 23382 66660*
66778* 76288* 94557*
human relationships 7474
58115 10450* 49434*
improvement 94476*
Ceylon 94124

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Item

Land--Cont
improvement--cont
Czechoslovakia 89850*
France 94534*
Italy 32098*
Mozambique 49191*
New Zealand 7716 7717 23306 94174
indemnities 7721 7722 66862 66865 76304
France 10611*
Germany 85727*
Michigan 7724
inheritance
Alabama 15124
Austria 58073*
Germany 76300* 85708*
Iowa 7697
Maryland 58053
Oklahoma 23401 66944
Poland 94565*
South Carolina 7696
legislation 94544 58070* 85774*
leveling 52924 56189 61538 70694*
Colombia 18397*
equipment 10908* 13211* 26363*
Japan 70700*
Maine 2356
Mississippi 35435
Sweden 26363*
USSR 10318* 10338*
marginal 18997
mineral rights 58059
multiple use 66823 66834 76323 76340 85753 94599 85776* 85781*
conferences and congresses 66854
open field system 32083 32084
policies and programs 23297 32102 32121 40621 58094 66714
Alabama 79082
Australia 7613 85675 94419
British Guiana 85493
Burma 76655
Canada 40597 49246 49255 57902 76185*
Congo 7464* 85588*
Denmark 58070*
Hong Kong 66719
Italy 85774*
Jamaica 7646 7647
Jordan 31963 94395
Kenya 14987
New York 31987
New Zealand 15008 23306 66675
North Borneo 15010
Ohio 67161
Puerto Rico 15021*
Rhodesia and Nyasaland 7686 85559
Sierra Leone 85585
Tanganyika 23307
Texas 14963
Uganda 7640
USSR 76327
prices 40762 66869 85784 32125*
Belgium 32125* 49406* 49409*
Denmark 58102*
France 85213*
Germany 76352*
Great Britain 66867
Netherlands 7720* 32125* 49409* 85677* 85783*
North Dakota 58101
Poland 49407*
Texas 39891 66872
public 49384 66713 66720 85572

Item

Land--Cont
public--cont
Alaska 23289
Australia 7691
bibliographies 85599
Canada 44629
Colorado 7596
history 66774 85562 85598
Italy 79090*
legislation 94436
New Mexico 57945
New York 85753
Oregon 26973
policies and programs 10432 35539 40555 40733 66678 71338 79097 79386 85542 85598 85754 85790
Australia 23293 40717
Jamaica 40630
New Mexico 49282
statistics 40598 58051 85600
purchase and sale 15138 40766 49378 66859 66860 66861 66864 66868 66871
Australia 7691
Germany 76352* 94607*
Great Plains 66436
Hungary 66778*
legal aspects 76351
Louisiana 85787
Scotland 85785
recreational use 7703 40757 66678 76323 76340 90079 94599
Appalachian Mountains 94588
Netherlands 7712* 85776*
Pennsylvania 85745
Wisconsin 40758
reform 14865 32102 58056 85732 23396* 40713* 85715*
Argentina 66780*
Asia 85682 85697 32099* 40726*
Brazil 40716* 49371* 85707* 85712* 85733* 94552*
Chile 49354*
China 40706 85734 40707*
Colombia 7689* 23470* 66784* 66796*
conferences and congresses 32103
Cuba 40702* 66786* 76295* 85685*
developing areas 7692 40359 32085*
El Salvador 94566
Europe 85693* 94541*
Far East 58052*
Germany 85727*
East Germany 49363*
Hungary 94542*
India 15133 85705 94132 94537 94539 94540 94549 94550 94558 94563 94568
Indonesia 66812
Iran 23394 76303
Italy 66777 94553 94569 23385* 23571* 32104* 40732* 49356* 58063* 76296* 85690*
Japan 23392 85702
Korea 85735
Latin America 40700 58060 85684*
Mexico 66615 40701* 40722* 40731*
Near East 58052*
Nepal 40724
Pakistan 85681 94535

Item

Land--Cont
reform--cont
Peru 23406* 32096* 32097* 40705* 58067* 66791* 85725* 85726* 94562*
Philippines 85686
Republic of South Africa 15126
Rumania 7687*
Sicily 49357
Spain 66794* 94546*
Taiwan 7694 85731
Tunisia 85310* 85730*
USSR 23412* 66660* 94564*
Venezuela 7690 40940* 57681* 66783* 76294* 76312* 85683* 94681*
Vietnam 85706
Yugoslavia 66802*
rights-of-way 7722 18586
brush control 17756 17783 43680 43845 52183
Colorado 7596
Michigan 68116
Rumania 61741*
weed control 1909 1916 17698 17709 17714 17757 43674 43681 52201 52242 52282 70111 77317 78190*
Connecticut 17668 17756 52182 70037
Great Britain 34994
New Jersey 17696
Northeastern States 52220
Southern States 43679
Washington 52333
Yugoslavia 70063*
settlement and colonization 46377 94532 15121*
Africa 23378*
Alaska 32072
Angola 15119*
associations 85474* 94533* 94534*
Australia 7613 14854 14855 22995 39098 66771 83572 85675
Brazil 85672*
Canada 15117 15120 32075 76291
cooperatives 40697 85672*
Czechoslovakia 85412*
developing areas 14756 23379
Dominican Republic 32073
France 85474*
Germany 7604* 23393* 23403* 76306* 94533*
Great Britain 40697 85550
history 76288*
Germany 40496* 66773*
Great Britain 7685
Malaya 32074
Israel 15118 40696
Italy 66772* 76290*
Kenya 85674
Malaya 23380
Mexico 15122* 85673*
Mozambique 49350*
Netherlands 49351*
New Zealand 7716 7717 58123 76289
Peru 58067*
Poland 76378*
Rhodesia and Nyasaland 7686
Sierra Leone 49352
Switzerland 23381*
Uganda 66557

Item

Land--Cont
taxation 31745 40365 66439 76326 85263
Alaska 49367
Australia 23063
California 40747
developing areas 40359
Great Plains 66436
Illinois 49060 94201
Italy 14740* 31748* 31749* 49057*
Japan 66441
North Central States 49366
Oregon 75906
Poland 94199
tenure 2786 15138 32082 32092 49376 66822 85711 15129* 23383* 23395* 23397* 32095* 57828* 94547*
Alaska 49367
Argentina 40710*
Asia 85691 85692 85704 85721 85724 32099* 40726*
Australia 7691 40717
Canada 66805
conferences and congresses 85720
Congo 40712*
Denmark 58070*
developing areas 15127 23411
Europe 75989*
Finland 49377*
France 57633*
Germany 23393* 23404* 32079* 49360* 66782* 66790*
Ghana 85723
Great Britain 15125 22985 85601
Great Plains 31693
history 7693
Asia 66775*
Burma 66800*
Colombia 23398*
France 7699
Germany 49369* 66773*
Great Britain 32083 32084 58061 76309
Ireland 76308
Northern Ireland 7698
Philippines 66779*
Poland 66816*
USSR 66776* 66813*
United Arab Republic 86231
Hungary 66815*
Illinois 94560
India 32090
Indonesia 85718
Iowa 23405
Iran 23394
Ireland 85700
Italy 35486* 40728* 49353* 57903* 58055* 76079* 76292*
Jamaica 40714
Japan 32076*
Java 32128
Kansas 94544
Latin America 32078 40702*
legal aspects 76304 94567*
France 76293*
Germany 85701*
Italy 66772*
New Hampshire 58072
Peru 32077*
Scotland 7700 32100
legislation
developing areas 85694*

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Item

Land--Cont
tenure--cont
legislation--cont
India 94551 94558
Mexico 40698*
New Mexico 15137
USSR 85703*
Louisiana 85689
Minnesota 23409
Netherlands 49358*
New England States 7693
North Dakota 49355
Ohio 21906
Oklahoma 15132
Pacific area 85720
Peru 32077* 49365*
Philippines 23400
Puerto Rico 48924
Republic of South Africa 40720
Rumania 76299*
Sarawak 94153
statistics
Germany 32106*
49372* 58066* 85699*
85709* 94559*
Malaya 85752
Sudan 76132*
Sweden 49368* 66799*
Switzerland 76311*
syndicates 76301
76313 76314
Taiwan 76338
Tunisia 85730*
Turkey 15149*
Uganda 66557
Uruguay 40708*
Vietnam 66253*
Virginia 49379
West Africa 40718*
Wisconsin 23402
Zanzibar 85714
titles 66778*
transfer
Colombia 13570*
Germany 23403* 32088*
32105* 40727* 49375*
58069* 76300*
Netherlands 85677*
North Central States 49366 85710
utilization 7407 7703
7707 23417 23421
23427 23429 32121
40750 40757 40761
44084 44423 49376
49381 49383 49384
49394 49399 53170
56401 57804 58074
58078 58079 58082
58083 58084 58087
58091 66678 66720
66822 66825 66826
66833 66847 66848
66856 70406 76326
94570 94579 94594
76336* 85397* 85772*
86280*
Africa 57851 66824
66849 76321 94578*
Alabama 2469
Algeria 94587*
Alps 7342
Angola 35581
Argentina 40755*
Australia 2181 7713
18209 40738 40752
40760 49387 49403
52640 58488 66821
66853 94608
bibliographies 17865
85464
Borneo 32116
Brazil 7705*
Bulgaria 85782*
California 15141 40747
Canada 631 10454
18206 32075 32117
66805 66828 92295

Item

Land--Cont
utilization--cont
China 66851* 66857*
66858*
Colorado 15151
conferences and congresses 58085 67154
76322 94575 94589
Congo 44464*
Connecticut 40753
66836
Corn Belt 58095
Corsica 15152*
Czechoslovakia 49396*
66835* 66842* 66845*
76344*
Delaware 58098
Delaware Basin 76379
Denmark 32111* 85763*
desert areas 66824
66833 66838 66846
66849 66852 66853
66855 76328 15144*
East Africa 68124
El Salvador 94581*
Europe 58086*
Finland 7715
Florida 23045 23418
France 35876 49393*
66327* 66804*
Germany 14994* 40754*
49235* 49395* 56507*
58089* 58090* 58122*
76334* 85762*
East Germany 32114*
66844*
Ghana 85463 85464
85778 94595
Great Britain 14674
23413 66850 76335
79316
Greece 94571*
Guadeloupe 32112
Guinea 35548*
history 66819 66852
94580* 94926*
Idaho 66831
India 6087 15150
15154 53057 66820
76345 85746 85760
85748*
Iowa 23405
Ireland 23419
Israel 76325
Italy 15143* 23414*
26539* 49401* 82976*
85751*
Jamaica 70424
Japan 58080
Kansas 40268
Louisiana 32115 85742
Maine 23426
Malagasy Republic 35262*
35549*
Malaya 85752
maps 40737*
Maryland 94602
Mediterranean area 66838
Mexico 7709*
Minnesota 85756
Missouri 58081
Mongolia 94584*
Montana 61611
mountain areas 58080
66804*
Near East 7458
Netherlands 49382
7712* 23415* 32119*
85747* 85766* 85776*
85781*
New Hampshire 61615
New York 85753 85764
94593
New Zealand 7717
32118 40759 76346
85737 94597
Northeastern States 23416
Norway 15147* 58010*

Item

Land--Cont
utilization--cont
Ohio 40746
Pacific Northwest 85744
Pakistan 66820
Pennsylvania 85745
Peru 49365
Poland 15146* 76378*
policies and programs
32117 40733 49741
40742 40745 58076
76339 94576 94582
94598 94600
Canada 57879
Rhodesia and Nyasaland 85777
USSR 23422*
Wisconsin 94590
Prince Edward Island 32109
Republic of South Africa
23425 35571 35573
40720 40751
research
statistical methods 40743
Rhodesia and Nyasaland
23198 85507 85575
85771 85773
Rumania 49392* 85759*
Rwanda-Burundi 7708*
40740*
Sahara 66838
Sarawak 94153
Spain 66824 27275*
statistics 93192 94559*
Sweden 49400*
Taiwan 76338
Tropics 32113 58097
94578*
Uganda 66557
USSR 18137 18229
76327 76328 7702*
7710* 8167* 15140*
15142* 15144* 15153*
15155* 18499* 20336*
23420* 23423* 40735*
40736* 49385* 49397*
52953* 58088* 58100*
61281* 66663* 66818*
70188* 76316* 76324*
76329* 76331* 76337*
76342* 78483* 81693*
85736* 85738* 85750*
85757* 85761* 85765*
85769* 85775*
United Arab Republic 7458 66827
Utah 15027
Virginia 40734 49390
76333
Washington 40748
West Indies 40765
West Virginia 61628
Western Hemisphere 66819
Western States 40744
Wisconsin 23402 40758
SEE ALSO Land, multiple use; Land, recreational use
values 7718 23429 31717
76313 76319
Australia 15158 94608
Canada 32124
Iowa 49408
Kansas 40268
Louisiana 85742
New Zealand 76346
Norway 49404*
Poland 49407*
Sweden 7723*
Virginia 85786
West Indies 40765
zoning 49390 49394
58096 66829 76318
76320 76330 76332
76343

Item

Land and Agricultural Bank of Kenya 23017
Land and Agricultural Bank of South Africa 66409
Land and Agricultural Bank of Southern Rhodesia 7389
Land Bank of Tanganyika 75881
Land contracts 49039
Land-en Tuinbouw Jaarboek 66544*
Land-Grant College Act of 1862 23471
Land-grant colleges 7768
7802 7804 7805
23491 23512 32157
32192 32231 40875
44576 48184 49452
58133 67310 76427
76435 85161 94639
94650 94656 94676
conferences and congresses 7745 36167 58185
94642
directories 76805
history 15290 23468
32194 32220 40850
49470 58135 58153
58165 66914 76385
76432 94657 94695
legislation 58165
policies and programs 7991 47966 90627
93371 94640
situation and outlook 94657
statistics 7750
Land O'Lakes Creameries 31461
Landbouwgids 32499*
Landbouwongevallenfonds (Netherlands) 31739*
Landbouwschap 76026*
Landesverband Westfalen des Obst- Gemuse- und Sudfruchtgrosshandels 75143*
Landscape architecture 69848
Landscape gardening 1793
1794 5883 9722
17469 25692 31644
34783 43464 43480
43508 60827 69834
89024 89025 9755*
9756*
Argentina 17423
Australia 60849
California 89066
Canada 34774 34792
34842 69826
Colorado 89068
costs 52063*
Czechoslovakia 89097*
Denmark 52037*
Europe 41293 86343
Finland 89080*
France 34752* 69816*
Germany 52063* 60771*
69828* 69859*
Great Britain 1808 17549
76869
history 34705 43479
78104*
India 9718 89032
Ireland 9743*
Italy 89047 69872* 78104*
Japan 1785 1789 43531
43557 43558 43580
43581 69814
Madeira 9794
Montana 34791
New Zealand 25743 69810
Norway 9783* 43515*
60761* 60770* 89081*
Ohio 52055 52060
Portugal 69896*
Spain 25753 88982*
Sweden 9706* 52020* 52044*
Tennessee 7321 31632
Texas 52019

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Item

Landscape gardening--Cont
USSR 60823 9733* 17433* 34725* 69885* 88995* 89042* 89071* 89072*
Landslides 44474* 78961*
Landwirtschaftliche Rentenbank 85223*
Landwirtschaftliche Woche 40480*
Landwirtschaftliches Zentralblatt 71621*
Landwirtschaftskammer Rheinland-Nassau 34357*
Landwirtschaftskammer Schleswig-Holstein 49480*
Langeonyssus n g 21050*
Langstroth L L 41168
Languriidae 21155* 82342*
Lanolin SEE Wool fat
Lantana 4383 9927 11557 14651 32715
Lanugo n g 38417
Lapageria 43535 43552
Laparoscopy 80420*
Laparotomy 36570 71848 3418* 62718*
Laphygma exempta 12448 81724
Laphygma exigua SEE Spodoptera exigua
Laphygma frugiperda 5364 46453 4634*
Laphygmolestes n g 82382
Laphystia (Laphystiella) n sgen 82382
Laplacea 32722
Lapsana communis 76923
Larca 21053
Larch SEE Larix
Lard
acids 75402*
analysis and composition 31260* 48639* 84635*
chemistry 66075 66003*
color 31291*
consumer preferences 6953
feed 80151
grading and standardization 57263*
oxidation 31291* 93883* 93884*
packing 75450* 75453*
processing 39984 66075 39983* 66071* 66088* 75466* 93883* 93884*
quality 6953 48643*
statistics 14436 93892 93893
storage 39983*
tests 48643 57395*
trade 7849
Largactil SEE Chlorpromazine
Large American fluke 36590
Large brown patch
Stenotaphrum secundatum 67852
Laricobius erichsonii 46990 81871
Larinus 82274*
Lariophagus distinguendus 12818*
Larix
anatomy and physiology 81909*
conservation 18706
culture
Austria 79136*
Finland 18851* 90115*
Germany 71079*
Rumania 26834* 26910* 71240*
Yugoslavia 71126*
cutting systems 64085*
ecology 678* 87208* 87230*
fertilizers 61878*
fungus diseases 58946 77132 16009* 16089*

Item

Larix--Cont
growth 61878*
injuries 77132 2756* 81909*
Japan 35666*
litter 90133*
measurement 53231* 79358*
pest control 20888* 37836* 46643* 73370*
biological 55579* 81894* 81898*
pests 81887 81897 64085*
Canada 64097
Great Britain 73779
Poland 38478* 73835*
USSR 81909*
planting 61894* 71210*
pollination 79358*
seedlings 2756* 61894*
seeds 61887* 61896* 71232* 71285* 79353*
sites 19004*
soils 26834* 78303* 78322* 78511* 78940*
turpentining 2955 45097
underplanting 44788*
USSR 53262* 71210* 79338*
wood 2850* 19132* 71414*
yields 90120*
Larix dahurica SEE Larix gmelini
Larix decidua 71601*
anatomy and physiology 10780*
culture 10807* 90251*
disease resistance 388
ecology 42103*
fertilizers 18965*
fungus diseases 67953*
girdling 2684*
measurement 44699*
pests 37794* 46656* 47041*
propagation 2684*
seeds 90188
virus diseases 73361*
wood 11125 45124 71601*
Larix decidua decidua 86443
Larix decidua polonica 86443
Larix eurolepis 388
Larix europaea SEE Larix decidua
Larix gmelini 4770* 61800* 70347* 79149* 87897* 90213*
Larix kaempferi SEE Larix leptolepis
Larix laricina 64097 77557
Larix leptolepis
anatomy and physiology 10780* 77663*
culture 53332 10721* 10807*
disease resistance 388
fertilizers 53332 35831*
fungus diseases 517* 16047*
girdling 2684*
measurement 10629
propagation 2684*
seedlings 517* 35831* 35839* 35840* 35843*
seeds 90216 10717* 35843*
soils 10093*
wood 11125
Larix occidentalis 339 53665
seedlings 2861
seeds 71192 71256
soils 89469
wood 2942 71538
Larix sibirica 53425* 70993* 90105*
abnormalities 87257*
anatomy and physiology 10780* 71189*
culture 18999* 71050* 79196*
fertilizers 90177*

Item

Larix sibirica--Cont
germination 2725*
introduction 18999*
measurement 71050*
seedlings 79345* 90218*
soils 79196*
turpentining 2949* 19296* 71546*
Larix sukaczewii 44815*
Larotingis 5221
Larradomorpha 47115*
Larrea 24631 59573*
Larrea tridentata 42097
Larropsis (Ancistromma) 64538
Larson's technique 90857*
Larvacarus transitans 12779
Larvaevoridae SEE Tachinidae
Larvaevorinae SEE Tachininae
Larvicides
application 81530 18593*
fly control 81493
formulations 37444*
mosquito control 4536 12407 55266 81515 81530 81550 81607 81505*
tests 37605 55286 55347 63804 81480
Laryngitis 54563*
Laryngotracheitis 20187 45953* 54826*
diagnosis 80823
resistance 3945
treatment 80882*
vaccines 3912
virus 46036 54751*
Larynx 36247 91581
Lasconotus 82271
Lasiocampa quercus 13027
Lasiocampidae 64112 64666 64699* 81736* 82666* 82730*
Lasiocera 73595*
Lasiochalcidia igiliensis 64567*
Lasiocoris 92508*
Lasioderma serricorne 4725 4728 29350 46905 64047 37783*
Lasioglossum inconspicuum 47103
Lasioglossum (Sphecodogastra) 55893
Lasiohelea 64413*
Lasiophaera gigantea SEE Lycoperdon giganteum
Lasiopogon avetianae 73701*
Lasioserica 82260*
Lasiosomoidea n g 64528*
Lasius flavus 12970
Lasius fuliginosus 12969
Lasius nearcticus 38422
Lasius neoniger 55873
Lasius niger 12970
Laspeyresia 21366 64091 92572*
Laspeyresia caryana 4696
Laspeyresia fagiglandana 38449*
Laspeyresia fletcherana 64598
Laspeyresia funebrana SEE Grapholitha funebrana
Laspeyresia nigricana 81656 92079 12462*
Laspeyresia st cruciana 73835*
Laspeyresia splendana 38449*
Laspeyresia strobilella 37835*
Laspeyresia woeberiana 55512* 92151*
Laspeyresiini 92607*
Lastreopsis 58740
Late blight
potatoes 426 427 1848 8540 24306 33205 33309 33310 33315 41729 41759 50378 50887 52130 58996 24347* 33318* 58919*

Item

Late blight--Cont
tomatoes 24306
Latent virus
apples 575 8579 59173
Dianthus caryophyllus 77229
strawberries 50466
turnips 55427
Laterite soils 35259 35381 52826 61303 61349
Latex 75682 35064*
analysis and composition 84920 48873*
bacteria 48875
chemistry 22780 84936*
contamination 31495
enzymes 8160
hydrogen-ion concentration 31503
in plants 1314 34270 77475 17855* 77798*
processing 31503 48875 66186*
properties 84920
reviews 22794
synthesis 34316*
utilization 7187 79480*
reviews 22794
Lathes 62067* 74172* 90341*
Lathridius bifasciatus 73606
Lathrimaeum 92406*
Lathrobium 55717 46892*
Lathrostizus sternocerus 47086*
Lathyrus 67381
anatomy and physiology 1220* 16574*
biochemistry 51450 69173 69238
culture 34512*
fertilizers 78595*
seeds 69173
taxonomy 69238
toxicity 91479 11314*
Lathyrus gmelinii 68700*
Lathyrus latidentatus 86439*
Lathyrus odoratus 34802 40223
anatomy and physiology 33979 16546* 24994*
bacterial diseases 24389
biochemistry 25194*
breeding 34766
culture 34746 35448
toxicity 54742*
varieties 1790 34722 34837 34845 34865
Lathyrus rotundifolius 50091
Lathyrus sativus 87462
Lathyrus tingitanus 60344
Lathyrus tuberosus 50091
Lathyrus vernus 42929*
Latin American Free Trade Association SEE Asociación Latinoamericana de Libre Comercio
Latipaussus SEE Paussus (Latipaussus)
Latosol soils 18157 18196 78965 89627 61133*
Latrodectus 37515*
Latrodectus curacaviensis 46806 82117
Latrodectus hasseltii indicus 73140
Latrodectus lugubris 37512*
Latrodectus mactans 4559 46806 55330
Latrodectus pallidus pavlovskyi 73541*
Latrodectus tredecimguttatus 55323 20617* 20676* 20686*
Latvijas PSR Zinatnu Akademija 32607* 32608*
Launaea 41339 87325
Lauraceae 50794 8209*
Laurentian Forest Protective Association 2767

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Item

Lauric acid 40039 31332*
Laurocerasus officinalis SEE Prunus laurocerasus
Laurus nobilis 24502* 58612* 61484* 70122* 88857*
Lavandula 4786
anatomy and physiology 24555
breeding 17863*
costs and returns 76278*
culture 25987*
morphology 8713
pests 82771*
Lavandula stoechas 42969
Lavarden M J de 91637*
Lavender SEE Lavandula
Lavender oil 57373*
Laverania falcipara 81462
Lavoisier A 32525
Lawns 1814
care 1791 25728 52056 60746 78320*
equipment 47461
France 52023*
Georgia 52066
Germany 60826* 69864*
Great Britain 17449
Italy 52017*
New Hampshire 52027
New Jersey 17435 34762
Northern Ireland 69857
Utah 9716
Wisconsin 17552
coloring 25750
fertilizers 52727
fungus diseases 24239 33165
irrigation 61575
pest control 12602 29112 50217 64029 73330 92202
planting 25728 34796 89039
USSR 9796* 60832*
weed control 1963 17658 17661 17779 43827 52285 60929
Canada 43694
Connecticut 89356
Illinois 52206
Kentucky 70047
Netherlands 17827*
Ohio 70026
Virginia 52185
Lawrencarus 64287*
Lawsonia inermis 89428 52364*
Layering SEE SUBHEAD propagation, by layering UNDER Plants and names and classes of plants
Lead
effects on plants 50743*
in alcoholic beverages 74634*
in food 47671 61256*
in plants 87198*
in soils 35164* 61149* 61256* 87198*
in sugars 57545 57546
in trees 47671
in wine 39158* 74634*
toxicity
cattle 36726 72094 3579* 19817* 36689*
dogs 45777*
Lead arsenate 64000 81091* 92084*
Leadership 23454 32235 58197 94742 49513*
education and training 7807 58198 2559* 10553*
France 23528
Germany 14792*
India 40842 58196
Michigan 23442
USSR 2559* 31931*

Item

Leaf blight
corn 86924
Leaf blotch
wheat 24339
Leaf curl
peaches 24234 33194 33314 77145
Pelargonium 87028
raspberries 59182
tobacco 20712
tomatoes 33394
Leaf miner flies SEE Agromyzidae
Leaf miners 81636
control 63876 63891 63909 63969 4635* 46526* 92144*
France 46526*
Germany
East Germany 4870*
habits and behavior 46939*
Japan 38482*
Netherlands 12506* 92156*
outbreaks 64019
Sweden 55516*
USSR 64442*
Leaf mold
tomatoes 86912
Leaf pucker
apples 24414
Leaf roll
cherries 8584 87009
grapes 404 537 41988
plums 86672
potatoes 553 555 4642 12447 20695 20771 24408 37654 41965 46506 55427 68000 16124* 25806* 41992*
Leaf roller moths SEE Tortricidae
Leaf rust
barley 42399
coffee 67884
wheat 416 16002 16455 86951
Leaf scald
rice 41880
sugarcane 16108 50438 50446 50452 86994
Leaf scorch
Carya illinoensis 330
pears 12541
sugarcane 50357
Leaf spot
bananas SEE Sigatoka, bananas
Calendula 58965
celery 86811
cherries 77117
corn 50317
currants 8434 24344
grasses 299
Ilex opaca 86925
limes 41789
Morus 24254
peanuts 41827
Poa pratensis 16077
strawberries 58935
tomatoes 24310
tung tree 16022
Leafhoppers
anatomy and physiology 29556 38324 82498
and plant disease 5252 20738 20745 20795 29045 46509 55186 55206 55207 55401 63996 68002 73129 82513 46514* 73242* 81668*
reviews 55168
as pests 4668 81674*
Australia 4697
Canada 47039
Chile 46999
collecting and preserving 73740
control 12444 12525 29051 73309

Item

Leafhoppers--Cont
dissemination 47010
eggs 82519 38326*
Finland 29556
food and host plants 82519
genetics 55207
Great Britain 5260 38313 82497
habits and behavior 29532 29556
identification 64487*
India 55442
Italy 37748* 38348*
Micronesia 64499
Neotropical Region 92513*
nomenclature 64497
nymphs 29554
parasites 82519
phylogeny 21289
Poland 64487*
populations 55865
predators 81663
Rhodesia and Nyasaland 21281
taxonomy 47025 47031 47032 55860 73747 29558* 73737* 92496* 92513*
USSR 64501* 73748*
Leases 23243 66787 66798 76166 94354
France 32081* 40721* 85213*
Germany 58057* 85548* 94555*
Great Britain 76302 85719*
Illinois 15134
Italy 40606* 49373*
Mexico 40729
Netherlands 23391* 23407* 85676* 85677*
Virginia 23388 49362
SEE ALSO SUBHEAD leasing UNDER Cattle; Ranges; Trucks
Leather 6885 39897 75382
defects 14392
lubrication 40012* 75488*
mold and mildewproofing 22628
pests 46632
processing 57298 75477*
properties 31315 84727 39987* 39992* 57243*
substitutes 6886 39897
types 40024
waste 79675
waterproofing 93873
SEE ALSO Tanning
Leather Industries Research Institute 84568
Leathesia 213
Leaves
analysis and composition 12722* 38336*
anatomy and physiology 784 1046 8120 9172 9185 42592 42972 51178 51430 60166 60198 68559 68839 68843 69148 73519 77492 77516 88093 1065* 16301* 16562* 24781* 32662* 34143* 37668* 42233* 42502* 50950* 51019* 59398* 59491* 68543* 68806* 69018* 69070* 69130* 87590* 87868*
biochemistry 1349 1408 16924 34289 51483 51547 69221 69252 77778 79576 88168 60313* 69249* 77819* 88143* 88154* 88158* 88208*
color 50970
in art 8140

Item

Leaves--Cont
morphology 87367
mulch 78963*
proteins 13443 45193 74519*
vernalization 16772
Lebaycid 29086 81783
Lebia 4973
Lebiinae 21086*
Lecaniidae SEE Coccidae
Lecanium corni 29104 37734* 46594* 73294*
Lecanium coryli 29541 82547 92530 92522*
Lecanium franconicum 12920*
Lecanium persicae 12572*
Lecanium prunastri 73294* 92522*
Lecanium sericeum 21287
Lecanocerus n g 82360
Lecanora 58804*
Leccinum 33023
Lecidea 50136 24094* 33018* 58804*
Lecithin 22777 27658 30645 34283 84833*
Lecithinase 81174 43999*
Lecithocera 21366
Lecythis amapaensis 23987*
Ledermuelleria 12793
Le Doux J A 86174
Ledum palustre 16793* 70145*
Ledum palustre oil 75548*
Leeches 90156 11252*
Leeds University 5927
Leeks
culture 9821 17566*
fertilizers 2287
fungus diseases 41916*
varieties 17566* 17573* 52123*
weed control 89303 35047*
yields 2287
Legislation 7484 14844 23178 23184 31873 49201 66503 66607 66608 76066 76067 94267 94294
Austria 40476*
bibliographies 30210 49125
Canada 49125
China 94276
Denmark 31908*
France 31843* 40478*
Italy 14946* 23811*
Japan 7542 40518*
Spain 66588*
Legouzia speculum-veneris 59500*
Legs
arachnids 64294*
arthropods 4924 12760* 64309*
cats 91264 3662*
cattle 19826 19874 45498 80458 3423* 11707* 36648* 63169*
dogs 3659 3668 11761 27966 36787 36805 54529 54559 54565 63026 72319 80549 91214 36792* 36814* 63059* 63065* 72306* 72307* 72322* 91240*
horses 11824 19450 36906 54627 72427 80651 54625* 63169* 72404* 80636* 91325*
insects 4578 13058 38533 73513 21223* 47224* 64469*
livestock 90683*
mice 81455 63193* 80686*
poultry 3940 91380 11947* 28307* 72478*
sheep 63540*
swine 4275 28638* 46271* 81276* 81282*

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Item

Legumes
Africa 9290*
analysis and composition 39445 84230 93567*
anatomy and physiology 9070 9095 16698 18100 27247 42665 42837 51142 51186 61228 87545 87614 1069* 34220* 42691* 68926* 69079* 87713* 88032* 88061*
reviews 25170
biochemistry 16943 25218 34264 42990 1327* 9290*
breeding 17162 25817 69548 69587 1839* 69627* 88675*
consumption 84230
costs and returns 94518*
culture
Australia 43230
Brazil 10248*
Canada 42837
Czechoslovakia 78671*
Great Britain 51738
India 25839 78665
Latvia 43211*
Lithuania 34521*
Netherlands 35346*
Pacific area 88718
Poland 88575* 88613*
Rhodesia and Nyasaland 88680
Rumania 60917*
Taiwan 89564
USSR 17150* 17154* 43254* 51749* 51767* 51769* 51793* 51803* 69513* 69523* 69555* 69559* 69563* 69572* 69573* 69586* 88537* 88579* 88594* 88671* 88672* 88698* 88713*
defoliation 88544*
diseases 15884 58853* 58854* 58865* 58869* 86628* 86633* 86666* 86707*
drying 56198 51770* 84387*
effects on soils 2339 35305* 44151* 78450* 78649* 87842* 89636*
equipment 92757*
feed 36556 72528 55004* 63574* 63607*
fertilizers 10175 18254 18255 18372 70515 70530 2300*
forage plant
Bulgaria 43253*
Czechoslovakia 88618* 88628* 88687*
Latvia 43211* 51732*
Lithuania 34521*
USSR 2300* 17175* 17198* 34482* 34523* 34524* 43254* 56083* 60508* 60536* 60542* 60545* 60552* 60555* 69517* 69523* 69555* 69559* 69563* 69566* 69567* 69573* 69579* 69586* 69603* 69627* 82945* 88502* 88537* 88544* 88579* 88580* 88594* 88670* 88671* 88672* 88673* 88698*
fungus diseases 86856*
Germany 65836*
germination 42990 42508* 68662*
Great Britain 9095
hardiness 1203*
harvesting 51770* 56210* 86628*
equipment 5773* 29944* 83103* 92795* 92807*

Item

Legumes--Cont
India 31085 34525 84400 88695*
inoculation 2145 2151 2158 10097 18060 18072 18086 18092 25218 26284 31519 35189 44037 52619 61196 75691 78449 89558 10074* 18063* 18097* 61221* 70335* 78420*
mechanization 56083* 82945*
moisture 84208*
morphology 59566* 59568*
Netherlands 39666*
nitrogen fixation 2148 10086 42665 10070* 10180* 70380* 78692*
nutritive value 32463 84230
pest control 46454 92126 58853* 86628*
Poland 46492*
Texas 81683
USSR 46447* 63918* 63956* 73232* 73240* 73241* 86666* 86707*
pests 12479 29619 46454 55401
Finland 29379
Pakistan 81613
Texas 81683
USSR 58865* 58869*
planting 17010* 60552* 60555* 69079* 88540* 92793*
pollination 4800 12690
processing 31049*
proteins 43253* 69563* 75071* 93567*
residues 2342
seeds 1570 10175 31509 69587 42490* 51749* 60555* 60917* 69513* 69523* 88580* 88698*
certified 57492 69548
harvesting 17152* 82945*
moisture 25063
processing 72528 75711*
storage 17152* 22807*
tests 25063
treatment 42508* 68662* 70335*
soils 18254 52627 1069* 35346* 69027*
statistics 31085 84400 65836*
toxicity 36261
trade 39666*
Tropics 43230
USSR 51745* 75071* 82626* 86439*
utilization 22347
varieties 17148 60573 69548 77945 88311 88670* 88673*
virus diseases 33415 55401 59194*
weed control 16267 17690 86707* 89308*
yields 10175 18255 84400 2300* 34513* 70335* 88575*

Leguminivora glycinivorella 13019* 63935*
Leguminola n g 92500*
Leguminosae
Afghanistan 58648
Africa 32837* 43641*
anatomy and physiology 42779 50921 77495 16742* 42499* 51340* 59521* 87564*
Australia 10078
biochemistry 69177* 69210*

Item

Leguminosae--Cont
culture 51751* 51802* 69280*
fungus diseases 33003* 67894*
germination 42856*
inoculation 52586
irrigation 89892*
Italy 76939*
morphology 33678 8729* 42216* 59436*
nutritional deficiencies 42779
proteins 88237* 88620*
seeds 42856* 64386* 69177* 69210*
soils 10078 52606* 61232*
taxonomy 76939*
USSR 86467 41349*
virus diseases 42023*
yields 88620* 89892*
Lehigh Valley Cooperative Farmers 85935
Leidynema 55647*
Leiobunum lineatum 73554
Leiochrini 29388
Leiochrodes 29371*
Leiocleptes SEE Cleptes (Leiocleptes)
Leioseius 64321
Leiradira 38085
Leiradira (Metadira) n sgen 38085
Leis axyridis 12515*
Leishmania 73163
Leishmania brasiliensis mexicana 81540
Leishmania donovani 64451*
Leishmaniasis 55294 64451*
dogs 72337 91184 3702* 36782*
man 55255 63860 81540 3702* 4474* 37537* 37559* 55320* 63840*
reviews 73183
rodents 92036*
Leistus rufomarginatus 38096 73593
Leiurus quinquestriatus 38017
Lejeunea 24039
Lejeunea blomquistii 86530
Lejeuneaceae 24039 58745 76997 86530
Leleba 25723
Leleupaussus n g 73598*
Lema nigrovittata 92188*
Lemmon J G 32636
Lemna 77502
Lemna gibba 87684
Lemna minor 16847 60074 24655*
Lemna perpusilla 87684
Lemna trisulca 50695*
Lemnaceae 9000 50052
Lemon juice 57105 39727*
Lemon oil 7055 7108 7109 31391 57350
Lemonade 84301 57092*
Lemongrass oil 14508* 31393*
Lemons
abnormalities 87278*
analysis and composition 65709
anatomy and physiology 9124 46578* 69031* 86824*
breeding 34616
contamination 65753
cooperatives 22376
costs and returns 23337
culture 58831* 69729*
cytology 42286
disease resistance 86799* 86824*
diseases 41645 86714
fertilizers 35387 70630
fungus diseases 24190* 67897* 86799* 86824*
genetics 24723*

Item

Lemons--Cont
harvesting 34621*
keeping quality 31050
marketing 22377 30979 65294
packing 30999 34621*
pest control 46578* 73326*
physiological diseases 51009
pollination 34616
processing 31008*
propagation 41645 60662
rootstocks 69730*
situation and outlook 75070
statistics 6740
storage 30999 31050 48353 55536 57070 75226
trade 34621*
transportation 30999* 48353
varieties 35387 69722* 69727* 86799*
yields 69727* 69729*
Lemuricedus 46910*
Lenicet SEE Aluminum diacetate
Lenigryllus n g 47208*
Lenin V I 85515*
Leningrad Nauchno-Issledovatel'skii Veterinarnyi Institut 19487
Leningrad Universitet Kafedra Darvinizma 58569
Lens SEE Lentils
Lentils
analysis and composition 39635
anatomy and physiology 9121* 9122* 34109* 60075* 60107* 68943* 77659* 77661* 87908* 88219*
culture 1869* 89222*
germination 16690*
processing 39741
Lentin SEE Carbachol
Lentinus lepideus 62100*
Lentinus tigrinus 67658*
Lentulidae 21449
Lenzites saepiaria 90360
Leon A P de 76699
Leonotis leonurus 77774
Leontodon 15815*
Leontopodium alpinum 15745*
Leonurus sibiricus 73282
Leopoldius signatus 38170
Leperisinus 5031
Lepesmia n g 92347*
Lepidacarus n g 29291
Lepidilla kelloggi 73894
Lepidium 154
Lepidium sativum 59401 60871* 87773*
Lepidium virginicum 1274
Lepidochrysops variabilis 73769*
Lepidocyrtus 5646*
Lepidodexia 38202*
Lepidoglyphus destructor 37778*
Lepidogma 47130*
Lepidophora 73694
Lepidopilum 8268
Lepidoptera 82723*
abnormalities 5392*
Africa 55935 92594
Algeria 47133*
anatomy and physiology 12988 21440 28964 29684 38476 38492 47151 64631 73800 82712 82743 82790 92625 38449* 38474* 38502* 47204* 64628* 81739* 82693* 82784* 82801* 92571* 92582* 92603* 92604* 92629*
and plant disease 55478

*Text of this reference is not in English.

Item

Lepidoptera--Cont
Argentina 29706*-29709*
Arizona 64661
as pests
Africa 91986*
Canada 46657
China 37470* 37723*
Finland 46608*
Iraq 92628
Italy 37662* 46489* 92589*
Japan 73376* 82720*
Kenya 12658*
Montana 64598
New Zealand 28962
Nigeria 73205
Poland 37784*
Spain 38517*
Uganda 82228
USSR 64442* 82693*
Uruguay 29711
Yugoslavia 92146*
Australia 29687
Austria 21385* 21419* 82736* 82756*
Bahrein Islands 73858
Belgium 38436* 38457* 38484*
bibliographies 29636 64582 73801 82665 82745 82672*
Bolivia 64616 38518*
Brazil 5342*
Bulgaria 37835*
Canada 5483 29666 38492 82708 82743 92237
Canary Islands 82766*
Carpathian Mountains 21444*
China 38471*
cocoons 5494
collecting and preserving 29659 64686 82682 82800 92625 64685*
Algeria 47132*
Amazon Basin 29713* 29714* 38501*
Belgium 38460*
Canary Islands 5389
equipment 5385 5498* 21400* 21409* 47155* 47171* 92621*
Europe 5451
France 21375* 21379* 47165*
Germany 29692* 29693* 82683* 92600*
Great Britain 5372 5377 5383 5390 5393 5419 5420 5422 5511 5518 5523 12985 13026 13037 29663 38432 64595 64599 64600 64601 64639 64673 73819 73820 73840 82685
Greece 21380* 47144*
Ireland 29674
Mexico 55974 73818
Netherlands 5439*
North America 64626
Scilly Islands 5480 5481
Scotland 5495 73825
Spain 5389 64626
Switzerland 21356*
USSR 64620*
Yugoslavia 5468
collections 5545 38453 38520 47182 55937 64614 82087 82703 13004* 38518* 55943* 82667* 92596*
control
biological 37479* 38525* 63766* 64115* 81436* 92220*
Ceylon 37671

Item

Lepidoptera--Cont
control--cont
biological--cont
Germany 46457*
Mexico 28958*
USSR 29139* 37476* 81623*
cytology 5347 5348 21413*
Czechoslovakia 13017* 38506* 64664*
Denmark 21396* 29681* 29682* 29719*
diseases 4671 5362 5436 5496 21368 29645 46541 47170 47197 47207 64241 12714* 64090* 73850* 82066* 82666* 82715*
East Africa 38508
ecology 82775*
Bulgaria 37835*
France 73849*
Great Britain 5436 13000
Hungary 64683*
Japan 82734*
USSR 20752*
Ecuador 64603
eggs 5490 29638 29667 38466 64583 64647 73827 82727 92239 21376* 47195* 73321* 73374* 82720*
Ethiopian Region 5351 82718*
Europe 5466 73833 82753*
evolution 55934 64605*
Finland 38477* 47175* 47177* 47178*
food and host plants 21386 29640 29646 29688 38469 55983 64594 64604 64652 82714 82780 82790 92237 92628 13019* 29698* 29731* 29732* 38511* 64578* 64584* 92611* 92613* 92660*
France 47134*
genetics 38508 55951 55965 5464* 38495* 47129* 82737* 82742*
reviews 82789
geographic distribution 64694 5516* 13004* 13019* 21385* 21442* 37835* 38491* 73805* 82693*
Germany 21388* 29670* 46753* 47166* 82660* 82744* 92615*
East Germany 47148*
Great Britain 5337 5360 5378 5403 5413 5421 5430 5431- 5434 5478 5479 5519 5524 5534 12996 13003 13005 13008 13027 21384 21391 29631 29688 38437 38454 38521 55928 64228 64577 64629 64636 64691 64697 73831 73832 82694 82725 82745 82750 82779 82787
Greece 82791
Guinea 82667*
habits and behavior 5384 5435 5442 12987 13043 82743 92625 92628 38474* 38502* 47178* 47188* 55975* 64578* 73854* 81739* 82352* 82693* 82720* 82734* 82744* 92139* 92603* 92604* 92629*

Item

Lepidoptera--Cont
history 64588 64602 13004*
Hungary 21381*
hybridization 5407 73838*
identification 20749 29673 37470* 82662*
illustrations 20749 64630
Iran 73858 47130* 92607*
Iraq 92628
Ireland 5346 64579 64634 73830
Isle of Man 5528
Italy 38468 5453* 21442* 38491* 47203*
Ivory Coast 82667*
Japan 13012 29704 29748 38481* 38482*
Jersey 5471
Kenya 73851
Korea 21399
larvae 38511* 63766* 73321*
anatomy and physiology 5541 21427 55982* 64669* 82039*
Austria 13002*
California 20749
development 21429 73828 21393*
diseases 29665*
Great Britain 5384 5401 5417 38448 38469 64630
habits and behavior 73367 47179* 47195* 47196*
identification 46657 38505*
Latvia 64679*
Luxembourg 47202*
Malagasy Republic 38519*
Malaya 82759
Malta 64687
Mexico 55979
migration 92627*
East Africa 38507
Europe 29689* 55975*
Great Britain 38438 38486 38488 64639
Israel 55961 55962
Minnesota 12994
Netherlands 55963*
Peru 64642
Republic of South Africa 29644 73853
Scotland 38463 55952
Neotropical Region 29710*
Nepal 38490*
Netherlands 64649 5426* 5465* 5497* 55923* 55938* 55939* 55966* 55968*
New Caledonia 29740*
New York 5399
nomenclature 5447 5547 5548 55955 64689 73599 73806 5463* 21365* 29730*
North America 21420 29702 47152 64602 64637
numbers 64636
nutrition 5338 29698* 29732* 92575*
Oriental Region 29742 82670
outbreaks 28777*
Palearctic Region 64648 64694 82670 92597 21414* 38498* 64611* 82807* 92580*
parasites 5296 5397 5513 12495 12992 21426 29602 29724 37803 38467 64545 64608 73205 82743 92239 5302* 20698* 21392* 29648* 47162*

Item

Lepidoptera--Cont
parasites--cont
55947* 64699* 73718* 81623* 92139* 92220* 92451*
Philippines 21371 64694
phylogeny 29717*
Poland 29659 29671 64610 64645 64677 82682 82713 92591 46466* 64682* 82720*
reviews 82789
Portugal 21373* 29629*
predators 64671 73205 92139*
pupae 5394 21370 29633 64608 64647 73798 21439* 29661* 37470* 64618* 73815* 92571*
rearing and breeding 5374 5404 5428 5512 38455 64666 73833 82747-82749 21392* 29699* 38434* 38460* 47196* 55981* 64605* 82741* 82783* 92575*
Saudi Arabia 73858
Scotland 5365 5509 38450 64631 64632 64695
Shetland Islands 29684 29685 29686
Solomon Islands 21366
South America 92592*
Spain 82749 29629* 55970* 82786*
stratification 92590*
Tanganyika 29643*
taxonomy 5399 5413 5437 12989 12991 13021 21411 21417 29272 29742 29744 38433 38472 47152 55928 55945 55946 64622 64689 73816 82688 82773 92574 12990* 13013* 13046* 21364* 21403* 21423* 29634* 29695* 38479* 64659* 64663* 64698* 82664* 82798* 92569* 92616*
Thailand 38431
Turkey 47161
types 5502 29737 55987 82799 21390* 21418* 21434* 29718* 38503*
USSR 21374* 73814* 82808* 92515* 92605*
Western Hemisphere 82762
SEE ALSO Butterflies; Caterpillars; Clothes moths; Cutworms; Macrolepidoptera; Microlepidoptera; Moths
Lepidosaphes beckii 20811 20833 64006 64020 82524
Lepidostoma 56020
Lepidozia 41500
Lepiota 41542 67661*
Lepiota bohemica 67656*
Lepiota hetieri 67599*
Lepiota sistrata 67599*
Lepisma saccharina 29134
Lepismatidae 13100
Lepisorus excavatus 8765
Lepocinclis fusiformis 24941
Leprieurinella 67580*
Leprosy 20655*
Leptagrion 64737*
Leptagrion perlongum 82908*
Leptataspis 82534*
Lepthyphantes 82180 21043* 55711*
Lepthyphantes ceretanus 55664*

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Item

Lepthyphantes spiniger 38022*
Lepthyphantes zimmermanni 38022*
Leptidae 73695
Leptinidae 29341
Leptinillus validus 29341
Leptinomera SEE Cylindera (Leptinomera)
Leptinotarsa decemlineata
anatomy and physiology 4995 29406 29407 5009* 21149* 28996* 92370*
breeding places 92413*
Bulgaria 73234* 92370*
control 46475* 73192*
biological 4438* 12510* 29049*
Bulgaria 92086* 92104*
Poland 73258* 92130* 92131*
tests 12510*
USSR 12443* 37620* 46438* 63896* 81620* 92064*
diseases 21089
eggs 38097*
Europe 46439
food and host plants 73234*
habits and behavior 29349*
insecticide resistance 46351*
Mediterranean area 46439
Poland 4638*
rearing and breeding 38097* 73613*
Leptinus testaceus 38064*
Leptobasis tuberculata 21505*
Leptobasis vacillans 21505*
Leptocarabus SEE Carabus (Leptocarabus)
Leptoceridae 82861
Leptocerus 64731 92662
Leptoconops 38189*
reviews 37555
Leptoconops bezzii 21235* 55781*
Leptoconops borealis 55796*
Leptoconops torrens 28935
Leptocoris trivittatus 92495
Leptodes 64346*
Leptogaster 12884*
Leptogastrinae 12884*
Leptoglossum 15859
Leptogramma SEE Dryopteris
Leptographium 274 77012
Leptohylemyia coarctata SEE Hylemya coarctata
Leptoiulus 55702*
Leptomenoides n g 82599*
Leptomias 21084 64391*
Leptomias (Neoleptomias) n sgen 64391*
Leptomonas 72337*
Leptomorphus 46959
Leptomydas 46915*
Leptonia 41542
Leptopharsa 5221
Leptophlebiidae 82896 47241*
Leptoporus SEE Polyporus
Leptopsylla bidentata 92018*
Leptopsyllinae 56041
Leptopterna dolabratus 29550* 37686*
Leptopyrum fumarioides 16276*
Leptorrachis n g 29368*
Leptosphaeria 58787 58780* 58781*
Leptosphaeria crepini 41904*
Leptosphaeria herpotrichoides 24354
Leptosphaeria maculans 67766
Leptosphaeria michotii 51116*
Leptosphaeria salvinii 50371*
Leptosphaerulina 8293 8298*

Item

Leptospira 3534 19569 20112 36238 53862 19445* 20055* 62464* 63807* 79806* 79942*
Leptospira ballum 73038
Leptospira canicola 3804 80597 72996*
Leptospira grippotyphosa 62826*
Leptospira hardjo 19891
Leptospira hebdomadis 62441*
Leptospira hyos 80469 20502* 46276*
Leptospira icterohemorrhagiae 3804 80597 36827* 53998* 91019*
Leptospira mitis 79806*
Leptospira pomona 11858 19448 27844 28569 54442 54455 63189 71726 79905 80469 80597 91100 45852* 46276* 72104* 72439* 79806* 91019*
Leptospira saxkoebing 36580
Leptospira sejroe 36535
Leptospirosis 11330 19569 79935 90746 79942*
bibliographies 11220*
buffaloes 45683
camels 62427*
cattle 3534 19891 27844 79905 91029 27786* 36704* 72104* 91004* 91019* 91077*
Alabama 11666
Australia 80440 80469
immunization 54455 80344 91100
Pennsylvania 11563 80246
Spain 54275*
transmission 11675 36580 62826*
treatment 36563 91046*
USSR 62906*
United Arab Republic 36594
Wyoming 54442
Yugoslavia 19813*
chinchillas 80597
control 79806*
diagnosis 19446 45254 53974 79891 90593 36329* 79815* 90609*
dogs 36825 28012* 36827* 54506*
diagnosis 45796
immunization 3804 45794*
resistance 45791
foxes 20055* 63116*
French Overseas Territories 19518*
guinea pigs 20112
hamsters 3804 11858 80597 45852* 72439*
horses 28106* 54647* 62427* 90586*
Israel 62484
man 7782 36594 19522* 90586*
Mexico 19599*
mice 63189
Morocco 19445*
Poland 62441*
sheep 28521 79905 37266* 62427* 63499* 81072*
swine 28569 73038 79905 81245 91029 20502* 46229* 46276* 62826* 63636* 72996* 91824*
Estonia 20526*
Morocco 90586*
USSR 20505* 81292*
Yugoslavia 20491*
transmission 79834*
vaccines 3804 71726 91100

Item

Leptospirosis--Cont
wildlife 11245 11563 27844 80246
Yugoslavia 90756*
Leptosporangiatae 16405
Leptostylus 82249
Leptothorax 5285 55901*
Leptothorax nylanderi 5314*
Leptothyrium 41548
Leptothyrium pomi 77156
Leptoypha 5221
Leptura 92402*
Lepturus 50812
Leptyphantes SEE Lepthyphantes
Leptysma 38550
Lerche M 86214*
Lespedeza 25254 28622 88574*
Lespedeza bicolor 43283
Lespedeza capitata 51545*
Lespedeza cuneata 2751 11349 51757 60510 76965
Lespedeza sericea SEE Lespedeza cuneata
Lespedeza striata 87395
Lesquerella arctica 15822*
Lesquerella lasiocarpa 1334
Lesquerella seed meal 40064 66108
Lessertinella kulcznskii 64282*
Lestes 21500
Lesticus 82247
Lestiphorus bicinctus 55874*
Lestodiplosis maculipennis 37763
Lestophonax n g 82382
Lethal factor 94843
animals 11419 20102
insects 5072 21167 21220 29429 29437 73501 82374 92448 82550 5101* 5129* 29470* 38224*
Lethane 384 SEE Butoxy thiocyanodiethyl ether
Lethocerinae n sfam 5239
Lethocerus 55863
Lethocerus mazzai 82512*
Lettuce
analysis and composition 22335
anatomy and physiology 39755 42910 60096 77698 87523 68783* 69123* 77476* 88044*
biochemistry 51566 77822
contamination 22335 37676* 48414*
cooling 84313 84388
costs and returns 94256
culture 52155
Belgium 52140*
Great Britain 78169
Netherlands 9831* 9845* 9846* 25845* 25868* 43642* 52134* 60902*
Northern Ireland 1886
cytology 77387*
disease resistance 52134*
diseases 24134 33093
fertilizers 26247* 26279* 35290* 89673* 89952*
forcing 69123*
frozen 84201*
fungus diseases 33323 77243
Australia 86780
California 24342
control 24350 77175
France 59043*
Great Britain 50420 77176 77177
Netherlands 52134*
Sardinia 33262*

Item

Lettuce--Cont
germination 1274 9105 51344 68871 77543 87996 16522* 69119* 77387*
harvesting 74113
industry 39593
labor 23070 94256
morphology 87523
packing 14127 84305 93618
pest control 28966 29045 46452 55457
pests 29002
physiological diseases 24792*
planting 34933 78160 89189*
quality 14157
seeds 24940 60202 77175 77822 87996 88044* 89189*
soils 10474*
storage 39755
varieties 9831* 9845* 9846* 25845* 43642* 60902*
virus diseases 539 29002 29045 33417 50420 68023 77243
Australia 81713
France 42007*
India 569
Japan 77238*
New York 46509
weed control 9862*
weight and measurement 14157
Leucaena glauca 7228 26917 63246
Leucania albipuncta 5474
Leucania insecuta 92620
Leucania lithargyrea 5444
Leucania striata 92620
Leucania vitellina 12996
Leucanthemum vulgare SEE Chrysanthemum leucanthemum
Leucanthiza 82675*
Leucine 1348 25223 42939 53813 77589 88145 60075* 88148*
Leucinodes orbonalis 37674
Leucoanthocyanins 13620 25255 75101
Leucobryum juniperoideum 76999*
Leucocoprinus 41542
Leucocyanidins 75093
Leucocytes 45331 90753 53973*
cattle 3514* 27789* 62725* 62945* 80386*
dogs 63021*
horses 3777*
mice 80679
poultry 20216 45977 54804* 72617*
rabbits 20311 79855 46090*
sheep 54977 72845* 81074*
swine 55067 12237* 46241* 46265* 46267*
therapeutic use 46091*
Leucocytozoon 63331 92435
Leucocytozoon disease 72586 72699 28318* 28327*
Leucocytozoon simondi 72586 81595
Leucocytozoon smithi 72699
Leucodonta bicoloria 81903*
Leucojum aestivum 87350
Leucojum vernum 43033* 50101*
Leucomycin 19866*
Leuconostoc citrovorum 22035
Leuconostoc dextranicum 22035 85007*

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Item

Leuconostoc mesenteroides 84221 85007*
Leucophaea maderae 5583 21466 38554 47223 73879 82874 92646 5571*
Leucopis 82547 64459* 92474*
Leucoptera 64019
Leucoptera scitella 92540* 92577* 92589*
Leucorrhinia albifrons 29797*
Leucorrhinia dubia 21425*
Leucorrhinia rubicunda 21425*
Leucospidae 29592
Leucospis 29592 47070
Leucothoe grayana 88158*
Leucothyreus 64356*
Leukemia 45304*
  cats 3672
  cattle 36566 36630 3514* 11702* 19801* 27875* 36709* 36737* 45545* 45692* 54314* 54377* 54392* 62725* 62847* 80294*
    Bulgaria 11638*
    causes 72090*
    Denmark 54253*
    diagnosis 27888* 45546* 62817* 80385*
    Germany 72178* 80410*
    research
      statistical methods 62782*
    reviews 62950*
    Sweden 62776* 62857*
    USSR 6971*
  dogs 3672 36630 63044 3693* 20031* 36828*
  mice 80698
  sheep 63520*
  swine 28689* 81302*
  treatment 19432*
  virus 72090*
Leukoplakia 27879*
Leukosarcomatosis 11758*
Leukosis complex 3939 20212 28251 28304 63277 72660 72678 72679 3934* 28268* 37019* 37064* 45954* 45966* 54764* 54771* 54808* 72616* 72623* 75440* 80818* 91497*
  SEE ALSO Erythroblastosis; Lymphomatosis; Myeloblastosis
Levan 88131
Levan sucrase 26075*
Leveille H 67338
Leveillula taurica 41828
Levelers SEE Land, leveling, equipment
Levi M F 32549*
Levipalpus 64649
Levoglucosan 71537* 71550* 71579*
Levomycetin SEE Chloramphenicol
Levulinic acid 3587 27146 34340
Ley farming SEE Grassland farming
Leyland cypress SEE Cupressocyparis leylandi
Lhomme L Catalogue des Lépidoptères de France et de Belgique 82697*
Liacaroidea n superfam 29283
Liagonum beckeri 73612*
Liatris provincialis 113
Libellulidae 13089 38566
Liberia Dept of Agriculture and Commerce 76664
Libocedrus 24590*
Libocedrus decurrens 27049 59665 62077 90354
Libocedrus formosana 45082

Item

Libraries 8145 32687 41298 66901 67339 37973* 55552*
  Germany 31845*
  Ghana 93248
  Great Britain 89995
  Hungary 7764
  Nebraska 66948
  Pennsylvania 8145 41305
  Poland 40885
  services 6561 66948
  Tropics 11023 12361
  USSR 66898* 66900* 66902* 66910* 66917* 66958* 66973*
Libythea celtis 82693*
Libytheinae 5484
Lice
  anatomy and physiology 64721*
  and disease 28933 28934 37595 63837 28856* 28931* 46395*
  birds 4562 21482 38562 64717 92675
  cattle 28856* 64721* 64722*
  control 12431 28861 28919 37595 63837
  ecology 92675
  insecticide resistance 4328 4336 4416
  livestock 3085 12403 73885*
  populations 64722*
  poultry 4462 4463 28861 28868
  rodents 81455 73891*
  sheep 46403 81561
  swine 4508 4542
  turkeys 73145 73184 81487
  wildlife 92659
Licea 67618
Lichenase 29263*
Lichenes 1976 24070
  Amazon Basin 41535
  anatomy and physiology 787 16635 59752 68996
  biochemistry 51472 69219 77797 67637*
  Canada 24105
  control 89294*
  Czechoslovakia 32995* 33018*
  ecology 8652 16244 59224* 59258*
    Chile 87162*
    Czechoslovakia 42155*
    France 87205*
    Germany 42128*
    Greece 59283*
    Poland 33538*
    USSR 68139* 68140* 68162* 68163* 68187*
  Europe 58804*
  Finland 86568*
  France 32971* 41559*
  Great Britain 50133 50136 50145
  Greece 59283*
  Iowa 50134
  Ireland 41562*
  Japan 15849 15850
  Mongolia 32996*
  nomenclature 250 24080
  North America 264
  Oklahoma 24104 86566
  Poland 68178 8306* 58776* 86560*
  Rumania 67621*
  Scandinavia 86568*
  Scotland 32957
  taxonomy 67637* 86551*
  USSR 86590 8309* 8316* 67636* 77011*
  Yugoslavia 69219
Lichenovora 47182

Item

Licinini 4977
Liege Centre de Recherches des Hormones Vegetales 33852*
Liepin L 15558*
Life insurance 57719*
Ligaments 36813 12284* 63059* 63094* 72322* 80627*
Light
  effects on Abies alba 26888*
  effects on Acanthocereus horridus 24865*
  effects on Acetabularia 87351*
  effects on Agrostis alba 42576*
  effects on algae 634 8981 50607 51380 68640 87518 87677 88209 42560* 59552*
  effects on Anacharis canadensis 34215*
  effects on animals 87791
  effects on Apis mellifera 46675*
  effects on apples 25060*
  effects on aquatic plants 87653*
  effects on Arabidopsis thaliana 51238
  effects on Armoracia lapathifolia 42944
  effects on Avena 42496
  effects on bacteria 1178 42700
  effects on barley 59514*
  effects on beans 16821 77638*
  effects on Begonia 9174* 25138*
  effects on Betula 26930 68740*
  effects on birdsfoot deervetch 42710 51185
  effects on blueberries 16625
  effects on Bombyx mori 29220*
  effects on Brassica hirta 51220 34029*
  effects on broadbeans 59588*
  effects on bulbs 17443
  effects on cacao 9064 9108
  effects on cauliflower 51202*
  effects on chicory 77727*
  effects on chinchillas 20046
  effects on Chlorella 16724 24909 34110 51062 60081 77813 88003 9177* 68885* 87837*
  effects on Chrysanthemum 5863 33876 42838 60165 42923*
  effects on coffee 60059
  effects on Coleoptera 12810 12811 38137 82322 38066* 55718*
  effects on Convallaria majalis 42196
  effects on corn 1163 42739 59973 77770 34013* 34156* 59584* 59600* 59984* 60025* 68859* 83259*
  effects on cotton 68732*
  effects on cucumbers 59770* 68360* 83259*
  effects on Cynodon dactylon 68535
  effects on Dactylis 42576*
  effects on dairy products 6246*
  effects on Diplopoda 82199*
  effects on Diptera 5111 4452 29501 55770 73725 82416 82447 82448 82471 82474 92464 55308* 82489*

Item

Light--Cont
  effects on Dryopteris filixmas 60054*
  effects on ducks 54696* 80786* 80891*
  effects on Equisetum 24908*
  effects on Euglena gracilis 42302
  effects on Euphorbia pulcherrima 43492 77618*
  effects on Fagus sylvatica 71037*
  effects on fats and oils 40043*
  effects on Festuca elatior 16750 16855 25141 42576*
  effects on flax 16867
  effects on food 93096*
  effects on forage plants 51423
  effects on forests 44891* 71061*
  effects on Fraxinus mandshurica 10702*
  effects on Fuchsia 42627*
  effects on Fucus 24908*
  effects on fungi 986 1264 1283 33255 51342 42570*
  effects on fungicides 24248
  effects on Ginkgo biloba 42836*
  effects on grain 60224*
  effects on grapefruit 34237
  effects on grasses 68402 9110* 59795* 60220* 60224* 77563*
  effects on Hedera helix 24902*
  effects on Hemiptera 82524 29568* 38333* 55866*
  effects on horsebeans 34215*
  effects on Hymenoptera 21327*
  effects on Impatiens parviflora 1036
  effects on insects 20555 21012 28981 37473 46741 87648 29262* 29274*
    conferences and congresses 46770
  effects on Ipomoea nil 51201*
  effects on Iris 42623*
  effects on isopods 4945*
  effects on Jerusalem artichokes 8965*
  effects on Kalanchoe 42926 1038*
  effects on Larix sibirica 71189*
  effects on legumes 88032*
  effects on Lepidoptera 47153 64623 82700 12723* 29642* 82698* 82744*
  effects on Leptosphaeria michotii 51116*
  effects on lettuce 77698 69123*
  effects on Lolium 16855 34059
  effects on Marsilea vestita 42244
  effects on milk 13753* 65463* 86078* 93376*
  effects on millet 60201* 68933*
  effects on minks 20051 72366
  effects on mites 55693 82187
  effects on Mougeotia 42497* 42625*
  effects on mung beans 34093
  effects on Narcissus 17537

*Text of this reference is not in English.

Item

Light--Cont
effects on Nitophyllum punctatum 34141*
effects on oats 42723
effects on Orchidaceae 41242
effects on ornamental plants 42838 43544
effects on Orthoptera 5586 82814*
effects on peas 60215 69102 87636 34156*
effects on Phleum 16855
effects on Phormidium autumnale 60080*
effects on Picea 33837
effects on Pilobolus 87702*
effects on Pinus 33837 18990* 60153* 71094* 71170*
effects on plankton 9087
effects on plant disease 34075 50287 33164* 77160*
effects on plants 1140 1173 1246 1261 8937 9112 9172 9197 9206 9287 16624 16626 16708 16748 16784 25184 32649 33483 34023 41313 42610 42730 49965 49979 50679 50937 51096 51122 51244 51245 51307 51408 51430 51483 51515 59798 59847 59933 60173 60249 77305 77536 87541 87609 87648 87755 87791 88014 88043 88120 88121 88140 88222 88230 8907* 8913* 9037* 10858* 16674* 16781* 25002* 25071* 25126* 33553* 33889* 33913* 34143* 42684* 42821* 42865* 49954* 50608* 51343* 52045* 59709* 59954* 59996* 60019* 68808* 68868* 69061* 69130* 69267* 77524* 77594* 87489* 87558* 87838* 88030* 88247*
reviews 77632 77715 25094*
effects on pollen 24952*
effects on Populus 87667*
effects on potatoes 42517* 51401* 59953*
effects on poultry 3932 12035 12036 12043 20126 20302 54840 72636 72722 72741 91472 91590 54855* 80924* 91509* 91603*
effects on Prunus laurocerasus 51357*
effects on Prymnesium 87858
effects on Pteridophyta 9069
effects on pulp and paper 53655*
effects on Quercus robur 18975*
effects on radishes 34005 68608*
effects on rape 8995
effects on red clover 59845*
effects on redpeppers 69051*
effects on Rhododendron maximum 34227
effects on rice 51008 69151 59505* 59653* 60169* 87557*
effects on Robinia pseudoacacia 42849
effects on root crops 59793*

Item

Light--Cont
effects on Scenedesmus 42761* 68885*
effects on seeds 8937 9105 26881 33927 42884 44850 60202 77514 59381* 77522*
effects on semen 62599*
effects on Sesbania sesban 34032
effects on Setaria 25001* 59670*
effects on sheep 12085
effects on soybeans 77636 77642 59824*
effects on Sphaerocarpus donnellii 68844
effects on spiders 55665 55676*
effects on spinach 8983*
effects on strawberries 16832
effects on sugar beets 25035 68611*
effects on sugarcane 1304*
effects on swine 28665*
effects on tea 25159 50917*
effects on Tectona grandis 51237
effects on Tilia americana 2697
effects on tobacco 1276 34205 51046 34215*
effects on tomatoes 24960* 24992* 83259*
effects on trees 44884 61812
effects on Tulipa 17537
effects on turkeys 72719 80921
effects on turnips 8995
effects on Vaucheria 51092*
effects on vegetables 25057* 87839*
effects on weeds 24817*
effects on wheat 4651 9167 42711 87630 9189* 25174* 33917* 34156* 51337* 59859* 59990* 59991* 60201* 69162* 77665*
effects on white sweetclover 88162*
effects on Xanthium 33748*
effects on yeasts 77619*
effects on Zoysia 1308
measurement 35877 41242 71331 33913*
SEE ALSO Fluorescent light; Photoperiodism; Photosensitization; Solar radiation; and SUBHEAD effects of light UNDER Poultry, egg production
Light Chestnut soils 18977* 70175* 70230* 70283* 70308* 70597* 89530* 90137* 90139*
Lighting SEE Electric lighting; and UNDER specific subjects
Lightning 26955 51412 45824*
Ligia italica 4945*
Lignans 51472 53661
Lignin
analysis and composition 19319 62214 2988* 27149* 71591* 90446*
chemistry 2986 30755 36064 36119 36120 36124 45130 45138 51472 62204 62213 71578 71586 79601 2929* 27185* 45131* 62174* 62219* 71574* 71584* 77692* 77710* 79602* 79603* 84513* 90452* 90453*

Item

Lignin--Cont
chemistry--cont
reviews 45137
decomposition 35214 61217 19331* 60128* 62153* 78458* 84513*
determination 2987 53704 63460 30816*
hydrolysis 11028*
hydrolyzates 46415* 62220*
in cognac 56575*
in feed 3337 39426 63460 3407* 71668*
in fibers 48182 48222*
in plants 9185 9305 9306 25191 25205 51333 68831 77256 16508* 16792* 30854* 34333*
in pulp and paper 11032 45049 53635
in soils 61217
in straw 62214
in wood 2987 19317 19321 36119 45135 62214 71574 11107* 36116* 45132* 45139* 62210* 62212* 90453*
products 2998 71578
properties 27184
structure 27187*
utilization 79575*
Ligninsulfonic acids SEE Lignosulfonic acids
Lignite 26062* 89961*
bibliographies 2514
Lignocellulose 62143* 62202*
Lignosulfonates SEE Lignosulfonic acids
Lignosulfonic acids 2984 11040 19316 27119 27145*
Lignum (Arbeitsgemeinschaft für das Holz) 45008*
Lignydesmus 4936
Ligroine 60297
Ligularia 15784* 32724*
Ligusticum scoticum 24007*
Ligustrum 55475 77093*
Ligustrum japonicum 46912
Likubin disease
citrus 59162
Lilac SEE Syringa
Lilaeopsis attenuata 67438*
Liliaceae 70140 78253 24029*
biochemistry 88211*
cytology 42295
fungus diseases 50140
morphology 59402
pests 81827*
Southeastern States 15725
Liliiflorae 67523
Lilioceris 21113
Lilioceris lilii 5039
Liliodendron tulipifera 53420*
Lilium
abnormalities 50684
anatomy and physiology 25078 51233 87561*
breeding 60800
culture 58884 60753 60769 60789
Australia 60834
Canada 60802
France 60766*
New Zealand 60786
Wisconsin 88994
genetics 16443
germination 60753
Great Britain 17508 60745
hardiness 60848
hybrids 9688 17492 50684 60805 60815
industry 60769
injuries 58841

Item

Lilium--Cont
nematodes 59218 61638
pest control 81829*
planting 60753 76825
planting date 60789
soils 61545
varieties 60766*
Canada 60848
Connecticut 58841
Estonia 34744*
Germany 69895*
Great Britain 17436 17525
Pacific Northwest 17461
Pennsylvania 60747
Western States 9754
Lilium auratum 60768
Lilium callosum 37781 50866 68448
Lilium elegans 59611
Lilium leucanthum 33900
Lilium longiflorum
anatomy and physiology 16721 16737 42500 59889
culture 25778 43537
cytology 741 87368
fertilizers 42500
forcing 16721 16737 42500
Lilium martagon 34821* 68221*
Lilium michauxi 60831
Lilium nanum 17503
Lilium oxypetalum 17503
Lilium philippinense 58673
Lilium regale 68221* 68256*
Lilium rhodopeum 15812
Lilium speciosum rubra 16168
Lilium wilsoni 17422
Lily of the valley SEE Convallaria majalis
Lily Year Book 17508 60811
Lima-bean pod borer SEE Etiella zinckenella
Lima beans
analysis and composition 93571
anatomy and physiology 1282 46790
cooling 84344
fungus diseases 58949 77123
genetics 849 42390
harvesting 47397
nematode resistance 42390
nematodes 24490
pest control 4652
pest resistance 29051
pests 46790 13019*
storage 84344
weed control 17761 52269
Lime
application 21606 44782*
consumption 61655
effects on plants 18840 951* 25005* 42470* 43007*
in road construction 5676* 35916*
in soil improvement 10243 10249 16644 18004 18051 26230 26260 26309 34040 35153 35364 35365 42665 44236 44258 50920 51221 51222 61161 78568 2295* 18112* 18260* 18381* 35316* 61197* 89722*
Arkansas 10242 26630
bibliographies 2265
Ceylon 35381 52826
Denmark 18272* 70528*
Estonia 61178*
Finland 26336
Florida 17978 26222 89674

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Item

Lime--Cont
in soil improvement--cont
Georgia 44197
Germany 24510* 44193* 71148*
East Germany 61270* 61865* 70533*
Great Britain 61359 78730
Hawaii 26213
Honduras 78571
Hungary 52816*
India 10236
Kentucky 10186
Louisiana 35379
Netherlands 10287* 44273* 78360* 89761*
New Hampshire 1429
New Jersey 26635 44237
New Zealand 26241 26242 26284 35311 44173
Norway 52729*
Oklahoma 18258
Poland 89643*
Puerto Rico 2325 35160
Republic of South Africa 90150
Rhodesia and Nyasaland 52851
Sweden 35425* 52766*
Texas 44149
Tropics 2265 78699
USSR 10280* 18307* 26245* 44208* 44216* 44270* 61390* 78648*
Yugoslavia 89744*
in sugar manufacture 66245*
in turpentining 71544*
Lime juice 57105
Lime oil 22732
Lime-sulfur 12570
Limenarchis 21366
Limenitis camilla 92601*
Limes
culture 60679
fungus diseases 41789
industry 14051
propagation 34623
refrigeration 22413
virus diseases 59125 59132 59139
Limestone
fertilizers 2071 43975 44153 44246 52758 70876 78625 35353*
Florida 61460
in feed 3616 11179 80158
Ireland 89580
Limeum indicum 87330
Liming materials 70892*
analysis and composition 39442 44510 44518 93468
regulation and inspection 2529 10502 13905 44532 53079 53089
Limnaecia 21366
Limnaecia phragmitella 55938*
Limnanthes douglasi seed oil 84820
Limnastis 82247
Limnephilidae 5611 5612 56037
Limnephilus 56020 5656*
Limnephilus affinis 5651
Limnephilus stigma 5651
Limnoecetis tanganicae 47251*
Limnogonus 29534
Limnogonus (Neogerris) 82525
Limnophila 64403
Limnophilidae 29790* 64730*
Limnophilus 47258*
Limnophyes 12874
Limnoria tripunctata 39465*
Limonene 79577*

Item

D-Limonene 65805
Limonethe 47084
Limonia 38156 73657
Limonia medi-atlantica 92437
Limonia nubeculosa 5136
Limonia quadrimaculata 29461
Limoniinae 5110
Limonin 84292*
Limonium 156 41326 87716*
Limonius aeruginosus 64399*
Limothrips cerealium 5598 82888
Linalol SEE Linalool
Linalool 31376*
Linanthus 185
Linanthus oblanceolatus 32838
Linaria 42190*
Linaria dalmatica 1961 32726
Linaria maroccana 77452*
Linaria vulgaris 28769 51494*
Lincoln College Farmers Conference 94306
Lindafum 63836*
Lindane
analysis and composition 20571*
determination 4615 56963*
flea control 28918
forest pest control 4748 37814 73402
formulations 29116 73254
grain pest control 63926 73253 63972* 81662*
human pest control 28919
insect resistance 4413 81395 81438
physiological action 20608 82869 81662*
residual effectiveness 73254
residues 4588 14557 56963*
storage pest control 29116 37772
tests 37814 91977*
toxicity 55261 4482* 20611*
vegetable pest control 12519* 46517*
wood pest control 73363
Linden SEE Tilia
Lindera 34274
Lindrothius n g 38117*
Lindsaea 190
Line pattern
cherries 87023
Linear programming 13478 14961 14965 15616 23243 31911 31948 40594 40625 57915 66718 85477 85589 85591 94401 7581* 14967* 15017* 23280* 40547* 40592*
India 31933 49242 94355 94368 94369 94380 94397 94411 94437 94439 94441
Japan 66698* 76213*
Louisiana 40629
Netherlands 76218*
Sweden 57924* 94427* 94431*
Switzerland 94359*
SEE ALSO Integer programming; and SUBHEADS linear programming; research, linear programming UNDER specific subjects
Linen Flax Corporation of New Zealand 13971
Lineweaver G W 49837
Linnaea borealis 87234*
Linnavuoriana 38289*

Item

Linné K von 58534 86218 32519* 67199* 67223* 67229*
Linné K von Systema Naturae 49925
Linognathus vituli 55334
Linoleate 65477
Linoleic acid 28216 37081 40065 66144 82851 91436 31332*
Linolenates 65477
Linolenic acid 7029 57342*
Linosiphon asperulophagus 38301
Linseed meal 36988 36994 63416* 90909*
Linseed oil 68661*
analysis and composition 7047 7117 14442 69651
chemistry 7072 75559
grading and standardization 48747
processing 7029 93923*
quality 75498*
utilization 7105
Linsleya 92407
Lintex SEE N-(2'-Chlor 4-nitrophenyl)-5-chlorsalicylamid
Linum 77398
Linum perenne 32869*
Linum usitatissimum SEE Flax
Linyphia 82180
Linyphiidae 64292 82180 38010*
Linyphiinae 38022*
Liocrobyla 21366
Liodoidea n superfam 29283
Liogryllus bimaculatus 29763
Liogryllus campestris 13061*
Liosoma 38100*
Liosomaphis abietina SEE Aphis abietina
Liothrips fluggeae 82860*
Liothrips oleae 4693* 20852*
Liothrips vaneeckei 81827*
Lipaphis erysimi SEE Rhopalosiphum pseudobrassicae
Lipara lucens 47105 5160*
Liparidae SEE Lymantriidae
Liparis 58650*
Liparis dispar SEE Porthetria dispar
Lipase
in animal physiology 28272 45857 45858 45970 45972 45973
in blood 46028*
in grain 39837 6850*
in insect physiology 13058
in milk 22019 22021 74717
in oilseeds 40069 93895
in olives 22659*
in plants 88204
Lipeurus 73586
Lipides
analysis and composition 22648 22698 57388 65394 66131 75531 84832*
chemistry 14482 56641*
extraction 65945
hydrolysis 14247
in animal nutrition 45186*
in animal physiology 36350 27463*
in arachnid nutrition 55699
in bacteria 74723
in blood 27658 72627 45297* 63266* 80236*
in cattle nutrition 11503*
in cattle physiology 54345 80208
in dairy products reviews 30583

Item

Lipides--Cont
in eggs 22749 75595
in feed 72536
in flour 75339* 75340*
in goat physiology 46240
in grain 14247 75330 75273*
in hides and skins 31252 57246* 75403*
in human nutrition 15418*
in insect physiology 12724 21297 37921 47140 29171* 82018*
in goat physiology 81116*
in meat 6909 14400 48683
in milk 6251 74743 72071*
in oilseeds 48740
in plants 1309 9270 9271 16969 16984 21785 47659 51576 60363 77721 77795 88109 88204 16963* 60328*
reviews 77756
in poultry nutrition 28189*
in poultry physiology 63305 91487
in ruminant nutrition reviews 19388
in semen 3292 36400
in sheep physiology 81132*
in swine physiology 12203*
in vaccines 80848*
in vegetables 93569
oxidation 21785
SEE ALSO Phospholipides
Lipoids SEE Lipides
Lipoma 80215
Lipomyces 70390*
Lipomyces lipofer 24639
Lipopolysaccharides 88143*
Lipoproteins
in animal physiology 72134 72622
in cream 6197
in eggs 48860 84893
in milk 74717
in plants 88136
Liposarcoma 63023
Lipoxidases 47950 74516 22659* 43004*
Lippai J 76746*
Lippia 32865*
Lippia geminata oil 7035
Lippia lycioides 43722
Lippia rehmanni 42933
Liquidambar 19251 36074 53486 71606
Liquidambar styraciflua 26790 27053 53239 53240
Liriodendron tulipifera
biochemistry 43051* 77828*
breeding 44833*
culture 61825*
fungus diseases 50301
pollination 73455
seeds 71181 71219 73455 53420*
sites 2664
wood 11121 45159 71611
Liriodenine 43051*
Liriomyza 5149 63876 63909 63969 73329 55822*
Liriomyza archboldi 38182
Liriomyza bryoniae 81616
Liriope 23975
Liris 5270 82582*
Lirotan 86929*
Lisle (Ill) Morton Arboretum 8219 23978 78112
Lispideosoma 38227
Lissamine Green 22456
Lissonotini 82294
Lissorhoptrus oryzophilus 4597 37656

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Item

Listera apifera 42110*
Listeria 4101* 27411* 36294* 84617* 92006*
Listeria monocytogenes 3475 43035 79863 80677 90964 91674 37065* 54674* 81121* 81310* 91107*
reviews 27375
Listeriosis 6972* 11366* 27411* 27425* 45316* 79827*
buffaloes 90964
cattle 3475 11608* 91107*
chinchillas 54593 54594*
diagnosis 79863 45236*
ducks 12008* 37065*
Estonia 45351*
Germany
East Germany 19589 71849*
goats 28509 91674
guinea pigs 20110* 91339*
laboratory animals 80677 11366* 22613* 54674*
mice 63194*
Netherlands 3131* 19499*
pigeons 37065*
poultry 45312*
rabbits 28393* 37153* 45312* 91339*
reviews 27375
sables 54582*
sheep 4101* 7001* 20357* 28528* 28531* 45312* 81121* 91738*
immunization 20389* 20416* 28530*
Netherlands 63454*
USSR 20391* 37212*
swine 12294* 22613* 81310*
transmission 36294* 92006*
turkeys 20194
Listroderes 82613
Listroderes costirostris obliquus 63967 55736*
Listrognathus 38417
Listrognathus (Fenestula) n sgen 38417
Listrophoridae 82166
Listrophorus gibbus 73185*
Litchi SEE Lychee
Literature SEE SUBHEAD in literature UNDER specific subjects
Lithidiinae n sfam 29753
Lithidium 82813
Lithina chlorosata 64677
Lithium 16528 69134 59320* 87618*
Lithobiidae 4942*
Lithobius 21042
Lithobius erythrocephalus 82136*
Lithobius (Eulithobius) 29315*
Lithobius forficatus 21059 55701* 92327*
Lithocaulon n g 41359
Lithocolletis blancardella 4678* 92540* 92577*
Lithocolletis millierella 81436*
Lithocolletis populifoliella 92604*
Lithophane leautieri 5341
Lithophasia 92628
Lithops elisae 32735*
Lithops lesliei SEE Mesembryanthemum lesliei
Lithosia griseola flava 5466
Lithosiidae 55949
Lithosiinae 73821
Lithospermum canescens 718
Lithraea 67411
Litomosoides carinii 92035
Litotropis 46910*
Litsea umbrosa 43828

Item

Litter SEE UNDER Cattle; Forests; Livestock and names of animals; Peat; Sawdust; and names of trees
Little cherry 590
cherries 591
Prunus 8576
Little house fly SEE Fannia canicularis
Little leaf
Acalypha wilkesiana 87095
Pinus echinata 8554 50278 50430
Pinus taeda 8554
Little leaf linden SEE Tilia cordata
Little medic 59226
Livanov M E 15529*
Liver 62333 11341* 80638*
asses
cattle 27854 62788 80407 80414 27783* 36599* 54329* 62731* 72146* 91069*
diseases 79764 90886 3472* 3509* 11554* 11599* 45589* 72221* 72346* 80470* 90975*
diseases 3090 11232
dogs 36786
diseases 54535 72346 80557 45770* 54515* 54534* 63013* 63064*
ducks 3949 46002*
geese 63335* 91525*
goats 72848*
horses 54648 28105* 45842* 54623*
diseases 11232 63160*
poultry 11963 12004 20150 28214 28264 46023 54734 63305 91449 54780* 63269* 80831* 91533*
diseases 3962
rabbits 20590
rats 79764
sheep 4100 12154 12156 37272 81094 91653 20362*
diseases 72863 79764 81112 54954* 63519*
swine 12205 46257 81252 20362* 46251* 81244*
diseases 20511 63613*
turkeys 54734
Liver dystrophy 55080 46280* 54756* 91865* 91896*
Liver extract 54515*
Liver flukes 62362 81102
asses 20072 80638*
buffaloes 90963
cats 63039
cattle 3528 27855 11696* 19926* 39968* 54343* 62791* 80434*
Australia 63510 80447
Belgium 90751*
control 27857* 45579* 54366* 62831* 72115* 72187* 91072*
Czechoslovakia 62793* 62899*
Denmark 27817*
diagnosis 27896* 36628*
Ireland 19849
Poland 27792*
Senegal 27748*
Singapore 90963
Sweden 11683*
treatment 54286 3592* 11635* 36629* 45622* 54354* 80455* 80461* 91695*
control 4341 27468* 36358* 62418* 90729*
diagnosis 3214 11290
dogs 63039

Item

Liver flukes--Cont
horses 54646*
mice 36949*
rabbits 4022* 28397* 28398* 46092*
ruminants
reviews 27347*
sheep 3528 37210 46134 46156 91704
Australia 46150 63510 80447
control 12145 20425* 54366* 54971* 63433* 72115* 72187* 81062*
Czechoslovakia 62793*
Denmark 27817*
Ireland 19849
treatment 37245 63458 4120* 4141* 72843* 91695*
USSR 63481*
Yugoslavia 81037*
swine 55125*
transmission 4461 45367* 90751*
treatment 53930*
Liver function tests 79859*
cattle 11599* 19926* 36591* 36597*
dogs 20004 45761 91209 54534*
goats 28483*
sheep 91673*
Liver meat 84739 39968*
Liverworts SEE Hepaticae
Livestock 54050 80669 19614* 54056* 62505* 62509*
abnormalities 19360 45338* 53896* 62371* 79877*
accounting 23317* 57991* 76225*
adaptation 8010 79974 11380*
advisory services 54077 71880 79964 79969 79976
Africa 90776*
age 71749 79907 27350* 62498*
Albania 27482*
Algeria 90774*
anatomy and physiology 11238 24635 27373 45239 45341 62440 79754 87569 90506 3100* 3124* 3218* 11212* 11331* 19612* 25024* 27356* 27364* 27415* 36280* 42582* 45335* 45368* 53833* 53953* 53972* 53989* 53999* 62498* 71716* 79917* 80785* 87789* 90576* 90646*
reviews 3079
study and teaching 3148* 3174* 19480* 27329* 62428* 62431*
and disease 28467 19470* 27397* 27458* 54413*
associations 36366 79961 84577 93794 36363*
bacteria 3937
Belgium 90796*
bibliographies 71881 90801 54058*
breeding 3016 3025 16409 16419 16450 16477 16492 19362 19363—19365 19372 77849 79637 80673 91359 3014* 27415* 27431* 28070* 45167* 45175* 45282* 53745* 53752* 62264* 62269* 71625* 79630* 80707*
Brazil 36149*

Item

Livestock--Cont
breeding--cont
Canada 53757
China 11146
Colombia 27212*
conferences and congresses 79632 24757*
effects of feeding 90535*
Germany 53741 11144* 45173* 79633*
East Germany 19366* 71774*
Great Britain 36150 45171*
history 90505*
Hungary 3024* 19354* 62258*
hybridization 3019 19359 19367 27209 79631 90499*
USSR 24763* 27205* 27207* 27224* 36152*
inbreeding 27209 36155 79638
reviews 90504*
Ireland 27222
Israel 33577
Italy 45168*
Latin America 3017
legal aspects 53744*
legislation 53754*
Lithuania 79629*
Malagasy Republic 71884*
New Zealand 90721*
North America 19369
Philippines 62272
research
statistical methods 36151 53747 53755 53759 79641
study and teaching 3015 11143* 27211* 62274*
Tasmania 53756
Tropics 3017
USSR 3018* 11140* 19356* 36158* 43096* 45170* 62256* 62257* 62259* 62261* 62263* 62267* 62268* 62270* 62271* 62276* 71623* 71626* 79636*
Venezuela 90804*
Yugoslavia 27219*
breeds 19364 3014* 62259*
care 3098 19616 21711 90688 90783 3172* 3226* 11376* 19449* 27305* 27474* 27477* 36296*
Australia 5659
developing areas 54072
Germany 11144* 27499*
East Germany 62502*
Great Britain 3098 71887
Hungary 3219*
India 90771
Italy 27496*
Malagasy Republic 71884*
Malaya 62510
Netherlands 19615*
Scotland 62517
study and teaching 45392*
Tropics 45381*
USSR 19495 11388* 90567* 90803*
China 66857*
Colombia 11389*
color 53750* 71761*
conferences and congresses 11375 36362 57236 90792
Canada 27476 79963
India 79967 79970
Netherlands 62519*
New Zealand 27489
Northeastern States 36361
Southern States 62499
USSR 90567*

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Item

Livestock--Cont
contests 36365* 45383* 90802*
cooling 71886
cooperatives 31266 31271 39952 66029 66030
Brazil 75426*
California 6923
Italy 66670* 84666* 93840*
Ohio 75430
Wisconsin 6939
costs and returns 13159 21548 35884 27214*
Argentina 40755* 94475*
Czechoslovakia 76256*
Georgia 32064 58025
Germany 15107*
Great Britain 15086 23327 23329 76241
Illinois 94401
Indiana 66686
Netherlands 32037*
New York 40669
North Carolina 85650
Oklahoma 15080
Poland 48726* 94507*
Scotland 23342
South Dakota 15064
USSR 40633* 66618* 66694* 94358*
Wyoming 85656
credit 7380
cytology 90663 90700 11341* 19580* 53864* 53918* 71722*
conferences and congresses 50722
Czechoslovakia 19619* 54047* 90800*
deficiency diseases 79848 90679 3030* 19567* 45269* 79717*
diagnosis 45308
prevention 90548
treatment 71860 19544* 36217*
USSR 53794* 53886*
degenerative diseases 36271*
Denmark 54071* 62516* 71873* 90798*
desert areas 45183* 66624*
dictionaries 27481
digestion 3099 36242 71851 3157* 3177* 71714* 79702*
directories 84583
disease resistance 19361 90734 3178* 62488* 71715*
diseases 3184 3217 19447 19572 19579 20650 24177 45310 45331 45349 53987 62407 71740 79678 79805 79818 79930 90730 3030* 3100* 11356* 11373* 19449* 27444* 62401* 62431* 90727*
Africa 11282 62414
Australia 19483 79819
bibliographies 90735
Bulgaria 11253*
causes 11227*
Chile 62474
conferences and congresses 11249 11306 37599 90652*
control 3217 11180 11197 11351 19439 19469 19595 32517 33058 36298 45284 71770 79931 79936 90743 90744 3156* 11239* 11269* 11353* 19463* 27452* 27453* 53980* 62444* 71732* 71752* 79832*

Item

Livestock--Cont
diseases--cont
control--cont
Africa 62385 79755
associations 36236
California 54061
Colombia 62483*
conferences and congresses 90740
Czechoslovakia 90636*
France 71882*
Germany 36312* 71754*
East Germany 71774*
Great Britain 3121 90680
Hungary 54022*
Italy 11377* 19557* 45168*
Latin America 15511*
Montana 11296
Netherlands 71837
New Zealand 11150 90633
North Dakota 62436
Pacific area 32510
policies and programs 36351
reviews 11263 55367
Switzerland 19551*
USSR 19495 53880* 71712* 90754*
United Arab Republic 62490*
diagnosis 3113 3153 27325 79758 90588 53932*
eradication 19594 19598 62426 62453
France 45391* 62356*
Ghana 79821
history 27799*
India 54004
Iowa 27358
Korea 62395
Nevada 90654
New Zealand 11262 19483
Nigeria 62434
nomenclature 90717 19466*
Norway 3169*
policies and programs 79933
prevention 24177 27423 53843 62496 11322* 90565*
Czechoslovakia 53896*
France 62478*
Italy 11329*
USSR 53887* 71713* 79737*
research
statistical methods 20247 62375*
reviews 3079 79817
Scotland 19434 71832
statistics 27368 62366 79795
transmission 4521 19452 24132 71785 79801 79829 90643 20627* 36340* 43699* 46413* 90614*
Africa 37612 71721
conferences and congresses 55307
reviews 55252 55259 55324
to man 3077 3549 32221 36336 54019 62474 19509* 36359* 53838* 62369* 62381* 62442* 62444* 71747*
USSR 73154*
treatment 3098 3153 3181 3191 27354 27355 27374 53855

Item

Livestock--Cont
diseases--cont
treatment--cont
71718 11275* 27341* 27420* 36339* 53961* 53990* 62370* 62462* 71833* 79901*
reviews 19473
USSR 3218* 11251* 53833* 92025*
Vietnam 36326*
draft 11386* 79724*
ecology 27372 86130 29286* 45335*
embryos 53986 71804 90643 19477* 62269* 90616*
reviews 27351
equipment 73969 83028 94854 47507*
estrus 79916*
evolution 90769*
farms and ranches 2470
Argentina 85544 53939* 76223* 94462*
Canada 23294 23295
Germany
East Germany 27811* 76180*
Great Britain 3223 3224 36370 57923 76241 94384--94387
Illinois 66096
India 66676
Italy 57903*
management 7608 23312 31955 66647 66662 76138 83028 11269* 11376*
Czechoslovakia 29827* 66753*
Germany 7579* 15034* 57974* 76136* 92746*
East Germany 27296* 27493* 49269* 62502* 62504*
Hungary 3219* 54022* 62258*
Italy 66668* 66670*
Netherlands 7579* 31932*
New Zealand 76142
North Central States 31930
Oklahoma 23246
Rumania 40292*
Southern States 31917
Switzerland 93774*
Texas 32011
USSR 7595* 7621* 7634* 19356* 38862* 40619* 49240* 57944* 66618* 66624* 76092* 76214* 85513* 85525* 85534* 85577* 93797* 94358* 94391* 94453*
Western States 31957 76190
Netherlands 31985* 31995*
Spain 25439* 27497*
study and teaching 7590
USSR 48661* 57975* 66694* 79899*
feed relationships 6451 14325 15035 48157 39416* 49271*
feeding and nutrition 3035 3038 3065 3067 6446 7936 11158 11159 11162 11166 11180 11205 19376 19379 19381 19391 19402 19405 19411 19606 36213 45194 45210 45216 53808 62281 62289 62297 62328 63242 79678

Item

Livestock--Cont
feeding and nutrition--cont
79705 3030* 3054* 3058* 3183* 3226* 4718* 11175* 11201* 27231* 27248* 27249* 27250* 27269* 27281* 31225* 44063* 45213* 53779* 62282* 62290* 62298* 62322* 71641* 79649* 79656* 79674* 79708* 80180* 85635* 90530* 90544* 90546*
Bulgaria 27251*
Canada 27235
Central African Republic 88590*
Colombia 90522*
conferences and congresses 3036 19392 36167 53803 63138 71685 27252*
Corn Belt 62319
costs 6426 6428 76268 3066* 11168* 49240* 79667*
Czechoslovakia 45180* 45197* 45228* 53810* 71664* 90531*
deficiencies 3029 11150 11151 36168 11227* 11266* 53785* 53810* 53837* 70400* 79647* 79832*
developing areas 54072
equipment 5719 13406 21587 29900 83024 13181* 13285* 21570* 21581* 29887* 38656* 92746*
Europe 19427
feedlot 13406 29900 31328 39903 65023 83028
Canada 36208
USSR 23259 76134*
France 27234*
Germany 11168* 19414* 27499* 45187* 45206* 62291* 79633* 79670* 79709*
East Germany 27296* 53793* 62295* 62296*
Great Britain 3034
history 90525
Hungary 19398* 53776* 79677*
in pregnancy 90643
Italy 27239* 36189*
Japan 79672
Kansas 45199
Netherlands 90539 11283* 27259* 53777*
pasture and range 27247 35884 79686 80104 90518 90513*
Australia 62284
India 2788
Louisiana 71339
New Zealand 11155 88665
Republic of South Africa 62349
Spain 27275*
USSR 43252* 45183* 93017*
Wyoming 79408
recent developments 3027 3037 27233 36172 45190 45201 71661 71670 71676 79650 90512 93467 93778 11198* 71695*
Canada 45179
Germany 11178* 71691*
East Germany 11208*
Hungary 53805*

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Item

Livestock--Cont
feeding and nutrition--cont
Republic of South Africa 79664
research
linear programming 62286* 79691*
statistical methods 45204*
reviews 19382 19425 79661 53763*
seasonal 19422* 27297* 53762* 62309* 71638* 76092* 90556*
Senegal 79724*
South Dakota 15064
Spain 3068* 79668* 79669* 79720*
study and teaching 11196 27276* 36164* 36166* 45392* 63137*
Sweden 11202* 36180*
Switzerland 11154
USSR 1521* 11172* 11203* 19395* 19396* 27286* 27294* 36191* 53761* 53771* 53788* 53791* 53795* 57156* 63131* 63132* 71631* 71666* 71702* 79657* 79725* 79726* 90552*
Vietnam 36326*
West Africa 53783
fertility 3016 27216 27280 53753 79754 90506 11148* 11149* 27221* 27415* 53740* 53742*
reviews 3079 45176 90497
fossil 3220 54069 45390* 90790*
France 57219* 62500*
genetics 3019 3023 7977 11141 16409 19360 19361 19363 19365 19367 19368 20099 33758 36153 36155 53747 77418 79641 91359 3013* 32505* 43096* 45170* 45175* 53743* 53750* 53973* 62260* 62264* 79877* 90495*
research
statistical methods 36154 36156 36963 37179
reviews 90497 87403*
germ-free 36319 53891 80840 90623
Germany 27486*
Ghana 79966
grading 31274 93857 62515*
Great Britain 71877 57908*
growth 19528 62302 62377 62378 79712 3048* 11201* 19387* 19395* 27269* 27286* 27337* 27345* 62480* 90644*
habits and behavior 3227 12730 12739 19617 27480 45341 62522 79989 79990 79973*
reviews 38004*
hazards and safeguards 11388*
hereditary diseases 53995 79877*
history 90778 54062* 54067* 90773* 90784* 90790*
Alabama 48260
Australia 79974
conferences and congresses 54059*

Item

Livestock--Cont
history--cont
Denmark 90798*
France 71876* 79985*
Great Britain 27494
Greece 54045*
Hungary 79979*
Pacific area 54076*
Southern States 84559
home raising 49273*
housing 21711 38797 47542 94854
construction 30035* 30061* 92973*
costs 5860*
Czechoslovakia 65006* 92976*
designs and specifications 56288 36280* 75930*
Germany 38821* 38829* 47559* 74278*
heating 90722*
sanitation 74267 11376* 19608* 19609* 19610* 64924* 73167*
Sweden 92965*
temperature 5847* 11382* 74268*
ventilation 30051 30048* 38806* 38812*
hybrids 27220* 27224*
identification 27478* 71882*
immunization 3200 36316 36274* 36275*
India 45379 79968
industry 36364 56836 65960 80664 84560 54005*
Africa 58050
Algeria 93796*
Argentina 14323*
as an occupation 79975*
Australia 27490 93801
Balearic Islands 93781*
California 54061
Canada 31325
China 94274
Colorado 90779
Czechoslovakia 62390*
Denmark 27484
developing areas 54064
European Economic Community 54065*
France 22559*
Germany 31219 75379*
East Germany 27493* 31225*
Great Britain 53758 65963
Hawaii 90785
Hungary 3226* 19354*
India 27487 79969 79971 90783
Ireland 57220
Italy 14321* 27501* 45378* 54065* 84572*
Mozambique 57218*
New Jersey 93783
Pacific Northwest 84576
Peru 14338*
Philippines 65979
Republic of South Africa 22570
Rhodesia and Nyasaland 19535
Rumania 22557
Spain 27479*
Uganda 79927
USSR 48607 14329* 84595*
vertical integration 39883 48600 90743 93783 48605*
Virginia 6878
Yugoslavia 11387*
infectious diseases 3190 27383 71766 62365* 62744*

Item

Livestock--Cont
infectious diseases--cont
control 3175 45271 45245* 90681*
diagnosis 3145*
Europe 27419*
prevention 3097*
reviews 19442
study and teaching 45313
transmission 3137 4549 19552 54018* 79950*
reviews 53970
to man 19543 3209*
treatment 19536* 36352* 53927* 71745*
USSR 79876 36290*
injuries 27422 3143*
treatment 3098 71736 90670 11338* 45360* 53927* 79879* 90581*
judging 3229 27492 27502 54052 54063 27364* 71885*
labor 49094*
Belgium 7418*
Denmark 36164*
Germany 49066*
East Germany 94234*
Hungary 14753*
Rumania 75916* 94208*
USSR 11388* 75958*
lactation 90545 90587 90598 90600 90651 79752*
legal aspects 79829 27478* 27500* 71765* 71876* 79985*
legislation 11388* 19615* 27477* 48676*
litter 35411* 44535* 90786*
longevity 62454 45244*
conferences and congresses 62350
losses 45284 79818 36306* 53810* 62375*
marketing 6937 6945 14366 19595 22599 31274 39945 39957 48660 75431 84665 93848 93857
Canada 39947 57251
cooperatives 57253
European Economic Community 84650*
Florida 93838
France 22593* 75425*
Germany 48647* 48651* 84660*
Great Britain 48666 66025
Illinois 31275
India 79970
Indiana 93847
legal aspects 22596 57266 22595* 71882* 84651*
Missouri 75419
New Jersey 93783
North Central Region 75424
Northeastern States 31272
Oklahoma 31265
Southern States 93846
statistics 75420 6925* 48661* 75416* 84648*
meat production 53960 3225* 19438* 27337*
effects of breeding 27214*
effects of disease 3179* 36306* 45304* 48681*
effects of drugs 36339* 71731* 79822*
effects of feeding 71658 79712 3048* 3066* 6964* 11176* 30235* 45208*
Hungary 54060*

Item

Livestock--Cont
meat production--cont
Poland 62503*
USSR 62479*
mechanization 13141 13142 13159 21548 56065 56082* 64771*
Bulgaria 92973*
costs 64803 38636*
Czechoslovakia 29827* 73997*
Germany
East Germany 56087*
Hungary 73974*
Italy 29846* 73970*
Poland 92704*
USSR 47299* 82963*
metabolism 11279 19373 19402 19435 19525 36212 90757 3128* 11227* 11236* 11266* 11325* 19512* 36343* 45334* 53956* 71772* 79840*
Morocco 27485* 79986*
mortality 3104* 27453*
mountain areas 11380* 22555*
Netherlands 45396* 62505*
Nevada 90772
New Zealand 79981
Nigeria 3228 90793
Norway 11383*
parasites 3085 11303 53819 62407 62469 71741 71799 71801 71843 19470* 62332* 62419* 90675*
Argentina 71872*
bibliographies 90735
Bulgaria 3204*
conferences and congresses 3194* 71820* 90652*
control 11252* 62417* 90722*
Poland 71802
reviews 3079 71871
Tropics 79898*
Uruguay 71872*
parturition 19532 62487* 79630* 90616* 90697*
pedigrees 19618*
pest control 4514 4571 12386 12403 12432 20683 46402 53855 55358 73165 81526 81575 73147* 81517* 92001*
Australia 20642
Canada 81464 81477
Colorado 55268
France 30036*
Germany 20648*
Japan 81532
Pacific area 32510
situation and outlook 4386
Southwestern States 55370
tests 12390 12397 12434 20612* 20649*
Texas 4481
USSR 4503* 55351* 63142* 63852* 63858* 92025* 92039* 92056*
Venezuela 4582* 37577*
Wisconsin 37504
pests 3085 4521 11303 46402 73165 73179 81495 4558* 20619* 27371* 28910* 62419* 73153* 73175* 92002*
Africa 63869
Cambodia 92578
Central African Republic 12409*
Chad 12410*
Congo 12429*

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Item

Livestock--Cont
pests--cont
ecology 55671 73885*
France 50169*
Germany 28875*
Ghana 79821
habits and behavior 64463*
Italy 92048*
Poland 71802
reviews 3079
surveys 73157*
Switzerland 45305*
USSR 55299* 62508* 63830* 90575* 90797* 92006*
poisoning 3062 3133 3189 11215 11244 11371 19443 19474 19565 19606 45262 45267 45324 45336 46387 54034 55371 79812 81562 82295 90599 3142* 3183* 11314* 11315* 11336* 19498* 20644* 27418* 36301* 36302* 45249* 54011* 54039* 54040* 55327* 62384* 67670* 71641* 79956* 90570* 90666* 90669* 90687* 92010* 92047*
Australia 79896
California 27459
Czechoslovakia 53823* 92012*
Netherlands 19492*
North Carolina 9880
North Dakota 3087
Poland 79760*
prevention 36296*
Republic of South Africa 27301 52301 62349 79736
reviews 3079 71803*
Rwanda-Burundi 11358*
treatment 11318*
Turkey 19485*
Virgin Islands 60977
Poland
reviews 62525*
policies and programs 6871 56331 57187 90744
Algeria 65984*
Brazil 76683*
Canada 79982
Chile 75387*
Colombia 93779*
India 13430 30117 31230 39898
Italy 19620* 39882* 54656* 65977*
New Zealand 65976
Peru 22553*
Switzerland 93774*
USSR 22554* 22561* 39904* 62267* 79788* 84593* 93797*
Venezuela 90804*
predators 45385*
pregnancy 90643 3080* 90644*
prices 93826
Argentina 22623*
Canada 39980
control 22624* 22625*
Florida 93862
Germany 14404* 22621*
Great Britain 66025
production regions 39903 57319 39904*
products 6870*
analysis and composition 31248* 31249*
and disease 54019 79816 62458*
bacteria 39432 84642 62393* 66007* 84604*
reviews 71831*

Item

Livestock--Cont
products--cont
conferences and congresses 54043
consumption 66012* 66019* 84647*
contamination 31249* 45195*
costs and returns 94452*
enzymes 83320*
feed 39423
freeze-drying 39995*
frozen 84599*
Hungary 66082*
India 90783
irradiation 31308* 40001*
Italy 84572*
marketing 66019 79970 6926* 53869*
nutritive value 79738*
Pacific Northwest 84576
packing 84715*
pests 84756
policies and programs 84593*
prices 86008
processing 31312 57293 40001*
proteins 7954* 31248* 76607*
regulation and inspection 84692 66007* 75447* 90626* 92012*
conferences and congresses 6982*
sanitation 57293 53869* 93877*
situation and outlook 93778
statistics 7021 83581 93886 31330* 40027* 48727*
trade 85981 86008 15380* 67062* 94766*
psychology 27474* 54070*
purchasing 31268
records and testing 3015 19355 79634*
Canada 36367 90777
Hungary 19618*
Scotland 71832
Sweden 11202*
USSR 36369*
reflexes 11229
reviews 79808*
regulation and inspection 19439 19595 57258 63184 79934 90745 39964*
Argentina 53988*
Australia 3175 79819
Brazil 53848*
conferences and congresses 6982*
European Economic Community 84670*
Germany 39960* 48625* 75432*
East Germany 71825*
India 85981
international 84707*
Kenya 84683
North Dakota 62436
Switzerland 71883*
USSR 6973* 6981*
research
linear programming 39903
statistical methods 3023 45172* 54042* 91323*
respiratory diseases 3077
restraint 38821*
Rumania 90775*
sanitation 19469 39964* 45245* 45292* 53980* 62417* 90787*
Australia 27423
Czechoslovakia 53921*
equipment 83017*

Item

Livestock--Cont
sanitation--cont
France 62356*
Germany 45394*
East Germany 71825*
history 27452* 45299*
Italy 11377* 19557*
Lithuania 3117*
USSR 79899* 83029* 90575* 90681* 90803*
selection 3015 4074 19355 19357 19360 19367 20101 53759 3024* 27221* 27483* 27497* 45169* 45172* 53752* 62256* 62261* 71625* 79634* 90502* 90503*
shelters 5833 36372 56288 83236 11376*
Italy 83247*
Scotland 45389
temperature 13360
USSR 5860*
shows 27483* 27495* 36365* 45383* 79980* 90802*
situation and outlook 6868* 6872* 14325* 14331* 31236* 45386* 48592* 48596* 56331* 57134* 93782*
Algeria 65984*
Argentina 22598*
Australia 75376
Brazil 84579*
Canada 57227 84567
Czechoslovakia 65992*
Denmark 45363*
Germany 48664* 93802*
East Germany 75377*
Great Plains 13581
India 93776
Italy 14335* 36430* 45168* 54656* 75386* 84581*
Kansas 93777
Louisiana 39902
New Zealand 84551
Pennsylvania 14332
USSR 14318* 93788*
Virginia 6881
slaughtering 48703*
Spain 32675*
statistics 22644 31321 31328 57315 57319 57321 66097 93887 93891 93892
Australia 31329 83572 84765
Austria 14430*
Belgium 6068* 14439* 83573* 83574*
Brazil 48725*
California 84767
Canada 7021 74563 75854 93886
Czechoslovakia 76256* 93889*
Delaware 21920 65265
Germany 14432* 48724* 57318* 93802*
Hungary 22643*
Illinois 66096
India 14435 40032
Indiana 6081 7022
Iraq 56513
Ireland 23419
Italy 75386*
Missouri 13585
Netherlands 65271*
New Jersey 22645
Pakistan 65258
Panama 31330*
Poland 48726* 57316*
USSR 15058* 66094*
Wisconsin 14441
study and teaching 36364 36374 79984 90794
Austria 90795*

Item

Livestock--Cont
study and teaching--cont
Belgium 71875*
Estonia 62512*
France 3148*
Germany 54055*
India 79969
Italy 71878*
USSR 79962* 79983*
subsidies 85468
surgery 90494*
taxation 75907
taxonomy 54046*
temperature 27470 71761*
terminology 27481 79979*
Texas 49120
trade 19439 19595 32413 40968 39964*
Europe 23625*
Great Britain 7908
India 85981
training 27480
transhumance 27488*
transportation 57258 93848 66018*
Australia 6941
by rail 19616 84651*
by water 31267*
Germany 6924* 75432*
types 45173* 90503*
USSR 3221* 54068*
Venezuela 45380*
virus diseases 3077 3081 15515 36317 45323 54008 54036 62491 79940 79945 90750 3086* 3110* 11268* 45347* 53885* 53937* 59159* 59160* 62424* 62437* 79870*
control 71825*
diagnosis 53836 90631
immunization 19472 11219*
Japan 53901
prevention 19583
resistance 62452*
reviews 16122 53812 53854 53966 45364*
transmission 19548* 62458*
treatment 11339* 11372*
vision 79908 90723
reviews 37949*
waste 3140 6916 75414*
watering 78793 19538* 62322* 65043* 93017*
equipment 83025 13163* 13176* 21582* 21764*
weight and measurement 48157 62454 62515* 90689*
SEE ALSO Anesthesia; Immunization; Livestock insurance; Slaughtering; Veterinary medicine; Young livestock; names of animals, anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, predators, and products; and UNDER Poisonous plants; Pools
Livestock days
Colorado 62960 90779
Kansas 45199
Missouri 45388 79978
Ohio 3622
Oklahoma 70684
Oregon 3623 12172 12314 80508
Livetock Importation Act (India) 85981
Livestock insurance 94193 85249*

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Item

Livetins 75672 79864*
Living conditions SEE Cost and standard of living
Lixophaga diatraeae 81701 92077 29009*
Lixus 21130 82274*
Lixus difficilis 73210*
Lixus umbellatarum 37628*
Lizards 82153
Lizer y Trelles C A 32522*
Loading equipment 38766
  Austria 64809*
  Czechoslovakia 73955* 74002*
  Germany 5707* 38629* 40410* 64807* 82935*
    East Germany 73954* 74227*
  maintenance and repair 73967
  Netherlands 13116*
  operation 47491* 64888*
  parts 83006*
  Poland 74221*
  USSR 5706* 73993* 92923*
  SEE ALSO names of equipment; and UNDER specific subjects
Lobaria 60277
Lobedanz M 49815*
Lobelia 15719 15720 34288*
Lobelia sessilifolia 16956*
Lobelia siphilitica 25256*
Lobeliaceae 68228
Lobeline 3144*
Lobesia 73816
Lobivia 96
Loblolly pine SEE Pinus taeda
Lobocraspis griseifusa 92578
Lobogeniates 64356*
Lobohalacarus weberi quadriporus 12794*
Lobopeltista 64520*
Loboscelidia 38391
Loboscelidia (Scelidoloba) n sgen 38391
Loboscelidiidae n fam 38391
Location theory 14674 22975 23040 7143* 23280* 30981* 65139*
Lochnera rosea 16982 34332 42971 69256 88238
Locker plants 6059
  accounting 13531
  cooperatives 47809 65247
  credit 85228
  France 65210*
  public relations 7783
  statistics 74545
  SEE ALSO Refrigeration
Lockwood's Directory of the Paper and Allied Trades 11031
Locust borer SEE Megacyllene robiniae
Locust (tree) SEE Robinia
Locusta 82827 82840
Locusta migratoria
  anatomy and physiology 55994 5579* 21448* 29778* 38542* 38552* 64700* 73862* 82820* 82839*
  cytology 21446 92632
  diseases 5571*
  habits and behavior 21456
  nutrition 21451
Locusta migratoria manilensis 38539* 38540* 38547* 81654*
Locusta migratoria migratorioides 13052 13053 29752 73860 73861 5563* 12327* 82814* 82815* 82819*
Locustana pardalina 13068 73878 5574* 5575* 29768*
Locusts (Orthoptera) SEE Grasshoppers and locusts

Item

Lodbrokia n g 92549*
Lodbrokia hirta 92549*
Lodgepole pine SEE Pinus contorta
Lodging
  barley 1510* 59673*
  corn 24212 51120 60219
  cotton 69487*
  grain 1223* 51099* 51177* 87829*
  legumes 5773*
  oats 42810 51199*
  onions 59720*
  popcorn 17087
  rice 25067 42634
    bibliographies 1006
  soybeans 24971
  tobacco 87994
  wheat 9389 16548* 24858* 33874* 51130* 59410*
Lodi Istituto Sperimentale di Caseificio 22103* 83944* 93412*
Loess soils 18231 26146 33906 35725 89570 9984* 18029* 52603*
  Austria 2089
  China 18187 18567 26164
  Germany 18192* 44267* 52403* 78498*
  Illinois 52460 61142 61294
  Israel 52656
  Minnesota 70426
  Mississippi 18778 26804 26805
  Poland 8672 26090 35242 26145* 26161* 26167* 26170* 52672* 70307*
  USSR 18211 18552 18505* 78486*
Log ponds SEE Ponds
Log scaling SEE Logs, weight and measurement
Loganberries 37752 60731
Loganiaceae 41418 67461 68254 76959
Loganius 64396
Logging 10910 19109 27029 53526 79441
  Alaska 44946
  associations 53531
  Australia 79411
  bibliographies 79433
  Canada 2808 27000 27007 53525 90312
  conferences and congresses 19118 26997 27023 27030 79448 90337
  contests 71388
  costs and returns 27013 27027
    Canada 19131
    Germany 35933*
    Italy 79434*
    Philippines 53531
    Rumania 26996*
    Sweden 10615* 62016*
    USSR 19099*
  Czechoslovakia 71355*
  effects on insect populations 20895
  effects on site 2704 10914 19134 53442 71308 71376 79431 89469 90282 2809* 17909* 19113* 44924* 62057* 89448* 90234* 90308* 90309* 90310* 90318*
  equipment 26994 27003 27024 44922 53534 62040 90305 53505* 71369* 71392* 79447* 79450* 79455*
    Canada 44947
    directories 10886
    France 19117*
    Germany 44923*
      East Germany 62034*

Item

Logging--Cont
  equipment--cont
    history 62023
    Hungary 61813* 79457*
    maintenance and repair 27014
    Mozambique 79452*
    Netherlands 90328*
    Norway 90301* 90323*
    purchasing 2816
    Rumania 2801*
    Sweden 62030*
    USSR 10916 19093 19124 62056 35939* 62044* 79458*
    Yugoslavia 19119*
  Finland 19111* 35920* 71372* 71390*
  Germany 79454*
    East Germany 35914* 35934*
  hazards and safeguards 19095 19128 27005
    Austria 71378* 79432*
    Maine 19102
    Sweden 44581*
  history 2805 19094 10906* 79435*
  labor 10917 27008 53101 62040 19123* 19125* 61701* 62054* 79445*
    Austria 71359*
    Canada 2803 2811 2812
    Czechoslovakia 58312*
    Finland 27020* 53527*
    Germany 19104* 61701*
      East Germany 35914* 44933*
    Hungary 62053*
    Northeastern States 2818
    Sweden 10912* 10915* 62016*
    USSR 35923* 79444*
  Latvia 27017*
  mechanization
    Canada 53525
    Germany 10903*
      East Germany 90320*
    Rumania 10911*
    Sweden 53519*
    USSR 19098* 44718* 53511* 79460* 90308*
    Yugoslavia 71352*
  mountain areas 10913*
  Netherlands 2814*
  Nigeria 71407
  Norway 10626* 35936* 90300* 90311* 90327*
  Pacific Northwest 27009 27016
  situation and outlook 71377
  statistics 26733*
  study and teaching 35931*
  Sweden 2817 62024* 79438* 90307*
  Switzerland 35918*
  USSR 19132* 27006* 27022* 27028* 44936* 62047* 62057* 79437*
  Washington 2691
  Western States 90303
  SEE ALSO UNDER Pulpwood; SUBHEAD cutting systems UNDER Forests; names of cutting systems UNDER Forests and names and classes of trees; SUBHEAD forest UNDER Roads; and SUBHEAD harvesting UNDER names and classes of trees
Logs 10990 11000
  bucking 2806 2822* 62045*
  care and handling 2885 27082 10915* 19132* 19142* 35993* 62063* 79456* 79466*

Item

Logs--Cont
  care and handling--cont
    equipment 2822* 2879* 19105* 19107* 19122* 27082* 35990*
  Czechoslovakia 10996* 53623*
  damage 35993*
  decay 55589 71447 10949* 29163*
  defects 19142* 79469*
  grading and standardization 53601 19341* 45018* 62119*
    bibliographies 90380
  hauling 2804 2806 44938 2809* 19097* 90234*
    by cable 10904 10914 27024 44930 90302 62028* 62031* 71378* 71389* 90317*
      Czechoslovakia 71382* 90319*
      Japan 53517 62036 71381*
      Norway 90321*
      Rumania 2807* 35919* 62028*
      USSR 44924* 62027*
    by horses 20096* 53515* 90300*
    by sled 62037*
    by tractor 19096 53512 53514 90304 19129* 27010* 27018* 53515* 53520* 62042* 62053* 71368* 90322* 90326*
    by truck 35940
    Canada 2811 2812 90312
    costs 79430*
    equipment 10901 19115 90304 10911* 62050* 90308* 90309* 90310*
    Finland 35909* 71390*
    Germany
      East Germany 19100* 90320*
    history 10906*
    Japan 10907*
    Rumania 44950*
    Sweden 2800 19129* 90326*
    USSR 19099* 19113* 27022* 79429*
  loading 2800 19222*
  loading equipment 26999 2815* 19116* 19120* 44935* 45017*
  marketing
    California 10987
    France 45006*
    Southern States 10998 19220 53608
    Tennessee Basin 79544
  Norway 44943*
  pest control 64080 20888* 20922* 29160* 29163* 37795*
    Finland 29148*
    Germany 4750* 55588*
    India 12660
    Spanish Guinea 37793*
    Sweden 12619*
  pests 12645 12660 20908 20909 55589 64332
  preservation 27056 53565 71448 10949* 29163* 37793* 79480*
  prices 2878* 45006*
  quality 10993 53592 90401 10902* 62122*
    bibliographies 90380
  salvage 53507 62022 62162
  sawing 10910 19151 19153 19156 53535 90331 10923* 44933* 44953* 53543* 62058* 71399* 90334*

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Item

Logs--Cont
seasoning 20888* 71414*
splitting 10910
statistics 2891 45014 62015 90387
storage 28881 71475 81607 20888* 27020* 35983* 53516* 62046* 90381*
trade 62117
transportation 44940*
by air 79439
by rail 2799 2813 71357
USSR 53518* 62035* 62038* 62051* 62055*
West Africa 44937*
West Virginia 19094
by truck 19213 71360
Canada 44927
Finland 27025*
Germany 19108* 35917*
Hawaii 71360
Sweden 53515*
USSR 19110* 35926* 44919* 53529*
West Africa 44937*
by water 71362 71373 2879* 10912* 62048* 62216*
Canada 2933
Finland 35937
Germany 19137*
Hungary 19133
USSR 19099* 19105* 19122* 19132* 19136* 19138* 19222* 62025* 62032* 62049* 71384* 79429* 79456* 79480*
costs 19130* 53515*
equipment 19213 35930* 79461* 90298*
Finland 2810
Germany 19116*
history 71357
mountain areas 27012*
North America 90298*
Norway 10626* 35936* 90311*
Sweden 10898* 44920* 79461*
USSR 45017*
tree-length 27007 44930
USSR 62136*
waterproofing 79480*
weight and measurement 10998 19220 26774 27033 44692 44707 44947 53183 53608 71039 71373 79155 90084 2615* 35920* 36110* 44943* 53510* 62119* 71048* 79151* 79156* 79167* 79171*
SEE ALSO Veneer logs
Lohse T 15561*
Lolium
anatomy and physiology 16652 16855 34059 68579 33725* 59790* 87737*
breeding 9470* 51746* 60525*
Chile 88505*
culture 1546 17134
enzymes 88106
fertilizers 16652
fungus diseases 33177
genetics 24698 42409
germination 77507
Greece 16224
hybrids 9470*
morphology 33725*
New Zealand 88642
nutritive value 27591 90517 90524
seeds 62682 77507 77575 88623 9058*
varieties 10820 51746*
Vietnam 51740*
Lolium italicum SEE Lolium multiflorum
Lolium multiflorum 42409
biochemistry 42947
breeding 34529*
culture 34516* 44164* 88632*
hybrids 863
morphology 42247*
planting 60503*
proteins 6416
seeds 42947
soils 89541*
Lolium perenne 42409
anatomy and physiology 8915 8916 16753 16816 68624 69120*
biochemistry 50837
cytology 42226
ecology 59234 59841
fungus diseases 50372*
genetics 899*
harvesting 8916
hybrids 863
morphology 59467*
seeds 60518 69120*
varieties 43223 51780 88534
yields 43223
Lolium temulentum 1192 87616
Lomachaeta variegata 82629
Lomandra 76932
Lomandra effusa 76932
Lomaptera 82340*
Lombardy poplar SEE Populus nigra
Lomentaria baileyana 16288
Lomidine SEE Pentamidine isethionate
Lomonosov M V 10967 15480* 15538* 15542* 23774* 23795* 23806* 26676* 32541* 43884* 44553* 49783* 49824* 49833* 58393* 58400* 62168* 68756* 70167* 76727* 76740*
Lonchaea zetterstedti 47074
Lonchaeidae 5126 47074 73689
Lonchetron scalprum 47062
Lonchodogonus n g 82382
Lonchotus 29261*
London Covent Garden Market 22354
London Imperial College of Science and Technology 16185
London Regents Park 43488
London Tropical Products Institute 17861
Longans 60651 25594* 39737*
Longicornia SEE Cerambycidae
Longidorus elongatus 16128
Longidorus menthasolanus 16173
Longistigma caryae 42631
Longitarsus 38150*
Longitarsus belgaumensis 29027
Longitarsus gracilis 38151*
Longitarsus parvulus 82279*
Longiunguis sacchari 46472
Longleaf pine SEE Pinus palustris
Lonicera 88086*
Lonicera coerulea edulis 9679*
Lonicera demissa 32769*
Lonicera japonica 25919
Lookout towers 35862
Loose housing
cattle 13355 29895 47540 47560 57742 13348* 21708* 45707* 65011* 74303* 83808*
Angola 38820*
Belgium 14803* 64988*
Czechoslovakia 38811*
France 65008*
Germany
East Germany 30049* 30057*
Great Britain 56293
Hungary 5856* 38819* 47538* 47550* 47551* 64004* 64986* 72085* 74265* 74272*
Ireland 38826
Italy 27904* 74282*
Latvia 56295*
Netherlands 64994*
New Hampshire 54456
Norway 47535*
Sweden 30050* 47546* 65010*
Switzerland 23107*
USSR 13157* 21705* 38817* 47549* 56273* 56275* 56290* 56292* 56296* 56300* 65007* 92978*
Yugoslavia 71989*
costs 38810
Germany
East Germany 31225* 38816*
Hungary 47558*
swine 74302*
Loose smut 50344
barley 425 16067 16068 17048 24296 24330 42382 67806 77189 41918* 41920* 41932*
wheat 8486 8487 15966 24285 33258 33259 50414 59011
Lopezia langmanae 41431
Lophiotrema 8300*
Lophira alata 10594*
Lophium mytilinum 59054
Lophodermium pinastri 488* 8514* 16041* 16042* 33199*
Lophomma 82180
Lophophora 67408
Lophophora williamsi 58665* 92168*
Lophoraglius n g 64528*
Lophostethus dumolini 5527
Lophoziaceae 32895 67539
Lophyra (Spilodia) n sgen 21145*
Lopiena n g 38479*
Lopus longirostris 47059*
Loquats 8811 41903 60179 16840* 33292*
Loranthaceae 9178 68245 68347 58700*
reviews 2680
Loranthus 89248
Loranthus falcata 9235 33647
Loricaster 4998
Los Angeles County (Calif) Agricultural Commissioner 23726
Los Angeles County (Calif) Dept of Arboreta and Botanic Gardens 32656
Los Angeles County (Calif) Fire Dept 90270
Los Angeles Grain Exchange 65889
Lotagen 53890* 73014*
Lotononis bainesii 17140
Lotus SEE Deervetch
Lotus corniculatus SEE Birdsfoot deervetch
Lotus tenuis SEE Narrowleaf deervetch
Lotus uliginosus SEE Wetland deervetch
Loughgall Horticultural Centre 43352
Louis-Arsenae Brother 67212*
Louisiana Agricultural Experiment Station 8111 69296
Rice Experiment Station (Crowley) 15589 88377
Louisiana Cattlemen's Association 45723
Louisiana Dept of Agriculture and Immigration 86116
Louisiana-Florida Sugar Manual 7268
Louisiana Forestry Comission 70977
Louisiana State University and Agricultural and Mechanical College
Agricultural Extension Serv 49481
School of Forestry 10554
Louisville Wholesale Fruit and Vegetable Market 14100
Lounsburyia n g 29582
Louping ill 81060*
Louse flies SEE Hippoboscidae
Lovegrass SEE Eragrostis
Lower Peninsula Forest Research Council 89986
Loxandrus 82247
Loxocarpus 67423
Loxopterygium 86423
Loxosceles 28866
Loxosceles laeta 46416*
Loxostege 47130*
Loxostege commixtalis 4622
Loxostege sticticalis 4622
Lozotaenia 82634
Lozotaenia hesperia 82634
Luachimonannus 12941
Lubricants 47456* 56236*
Lubrication SEE UNDER Equipment and names of equipment and vehicles
Lucanidae 82250*
Lucanus cervus 82250* 92410*
Lucerne SEE Alfalfa
Lucifotychus n g 82271
Lucifotychus (Custotychus) n sgen 82271
Lucilia 28895 73778
Lucilia cuprina 4465 5066 73663
Lucilia richardsi 28894
Lucilia sericata SEE Phaenicia sericata
Luckhoff C A 67185
Ludwigia 67492
Luffa 1321
Luffa aegyptica SEE Luffa cylindrica
Luffa cylindrica 16350*
Luffa operculata 58690*
Luffia 5490
Luffia ferchaultella 21413*
Luffia lapidella 21413*
Lujet 81454*
Lulu SEE Naranjilla
Lumber 5870 10990 11003 19205 27093 27096 35972 53613 71458 79506 90388 44953*
advertising 19193
Alaska 53115*
associations 62109 62114
Great Britain 2794 10890 26990 44913 44914
Philippines 10983 71379 90299
Republic of South Africa 79504 90364
Australia 11047
bending 62124*
bibliographies 62128
Canada 71490
care and handling 62063* 62121*
equipment 19143 19147 19151 19155 45016

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Item

Lumber--Cont
combustibility 44991 79485
conferences and congresses 62110
consumption 27095 35987 2814* 44928* 79424*
costs and returns 71478*
damage 10947* 35954*
decay 10962 53579 2844*
defects 71465 79478
Denmark 53188*
dimension stock 10981 10992 10995 35988 71465 35908* 53544* 53609* 71395* 71396* 71461*
directories
Canada 18634
Pacific Northwest 19219 45021 71483
Southern States 35996 53127
Switzerland 79499*
Wisconsin 19226
durability 2838*
Europe 45025
finishing 2831 2833 10933 10935 10940 10944 27048 35953 44961 53548 62115 71416 90343 27039* 27041* 90345*
fireproofing 53566 71423 90359
Germany 35998* 45024*
gluing 44994
grading and standardization 19214 27044 53618 79502 90329 90331 90379 45007* 53587*
Canada 53606 79503
Europe 27094*
Germany 10995
Malaya 10892
USSR 53605* 62121*
Washington 19207
Western States 19208 19211 19221 19229
Yugoslavia 71486*
Great Britain 5871 11004 47567 53611 71467 79501
history 2794 2880 10890 19203 19227
India 83266
industry 2880 19224 79495 90370
Belgium 45010
Colorado 2877
Germany 19210*
Republic of South Africa 86059
Sweden 7364
Switzerland 90294*
Tennessee 53591
Yugoslavia 62018*
Italy 19230*
Japan 35991*
loading 47523
Malaya 19231
marketing 10976 10984 10991 19218 44998 45022 53526 53607 62123 90374 90384
Canada 90367
France 44908*
Germany 45003* 45015* 45020* 53589*
Greece 10999*
Hawaii 62116
Maine 27069
New Hampshire 27090
New York 35989
Republic of South Africa 90330
Western States 19208
moisture 10945 10959 27044 35952 71411 79616 11099* 27162* 90350*

Item

Lumber--Cont
moisture--cont
determination 79477 62074*
New Zealand 62132
Norway 11006* 19234* 21701* 21702* 47531*
Oregon 2888
overlays 19209 62251
packing 19225 27088*
pest control 12624 29164 73363 92240 55557* 64062*
pests 20908 73362
Poland 89989*
preservation 2853 2854 2865 2866 10952 10965 10966 10968 10973 19182 19189 44970 44994 53560 53579 53581 62070 62076 62099 71425 71427 71428 71430 71443 71444 71450 74331 79477 79478 90357 2837* 2846* 2848* 2858* 2860* 10974* 19170* 27051* 27057* 27058* 27061* 35961* 35963* 44993* 62090* 62094* 62095* 71420* 71439* 71453* 79482* 90349* 90352* 90353* 90356* 90362*
associations 10951 44967
bibliographies 23728
conferences and congresses 10951 44967
diffusion 2842*
hot and cold bath 71418*
industry 10954 10955 10961 10963
pressure 2840 10953 10958 10959 44979 53577
reviews 44988 53562 62104*
soaking 10950
statistics 44985
study and teaching 44983*
tests 2863 10970 27060 19174* 19175* 44975* 71421*
preservatives 2859 10969 19172 19189 27060 44978 53585 62103 71422 71436 73363 79484 90363 2841* 2843* 2857* 19186* 27051* 46636* 53568* 53569* 53573* 53583* 62095* 62100* 71445* 79482* 90358*
analysis and composition 19176* 19181*
application 35961*
chemistry 90356*
grading and standardization 44987*
industry 44982*
tests 2836 10948 12624 19179 27060 44969 44980 53582 2839* 2847* 2860* 19178* 19188* 44976* 44981* 55557* 62089* 62101* 62102* 64116* 90361*
toxicity 12663 12665 12666 358* 3142* 62810*
prices 79507 90370 35958*
Czechoslovakia 19212*
Finland 45005*
France 44908*
Germany 44928*
Greece 10999*
Southern States 35994
Sweden 62016*

Item

Lumber--Cont
processing 35999 62066* 62121*
properties 2882 36020 53617 90464 35713*
quality 10993 19209 26807 53592 79502 90379 90487 27058* 35713* 61864* 62066* 71405*
recovery 19207 26807 90329 90331
regulation and inspection 2881 71464
Republic of South Africa 90391
research
statistical methods 27084*
reviews 79509
Rumania 27087*
sawing 79502 27097*
seasoning 10928 10931 10932 10934 10945 11105 19169 21732 27047 35948 35951 35952 44959 44963 53556 53557 62075 71411 71436 79470 19168* 19170* 36123* 44960* 53549* 53553* 90362*
air 2828 10930 10940 10941 19164 19167 19225 35950 44958 44964 53552 53555 62071 79472 90346 11131* 35966* 90350*
bibliographies 2834 27043
chemical 10939 27038 27042 44961 53547 62070 71416 79470 62073* 90348* 90351*
costs 44966 53552
defects 10937 10942 11102 27040 27045 71413 71583 79471 79475 27046* 90468*
equipment 10938 2830*
high-frequency heating 35950 11099*
kiln drying 2827 2829 2832 10943 19163 19166 27038 27040 27044 53550 53552 71417 79472 79476 19165* 27046* 53551* 79473* 79474*
tests 62074*
vapor 10936 35949 53554 79471 53551*
situation and outlook 19235 79507 44910*
Austria 61700*
Germany
East Germany 71481*
Great Britain 53615
Norway 71480*
Pakistan 53683
Philippines 79500
Southern States 27078 53599
stacking 2828 53555 19217* 45012*
statistics 10894 44916 53495 53498
Canada 53498
Europe 10895
Great Britain 83581
New Hampshire 35893
Southern States 53599
storage 10962 19215* 35984* 45012* 71479* 90383*
strength 11126 11134 19228 19332 53618 53622 53729 79609 27084* 79623* 90389*
tests 11126 19228 19233 53620 90478

Item

Lumber--Cont
Thailand 53619
trade 2795 2798 10896 19087 35903 71348 35901* 44910*
Australia 90291
Canada 10896 26988 35903
European Economic Community 79422*
Finland 35900 19086* 45005*
France 53500 44908*
Germany 53501 35906* 62008*
East Germany 44917*
Great Britain 2795 26988 53499 53504 90297
history 35897*
New Zealand 71343
Pacific area 71343
Philippines 10887
statistics 2796 10892
USSR 2790 2792 53605* 62121*
West Africa 62008* 71342*
Yugoslavia 62011*
transportation 53602 90384 27088* 53603*
USSR 53102*
weight and measurement 19206 71464 27091* 90490*
SEE ALSO Timber; Wood; and SUBHEAD wood UNDER names and classes of trees
Lumber Industry Facts 44916
Lumber Survey Committee 53495
Lumbering
Africa 53513*
equipment 62043*
France 44921*
Germany 35910* 44928* 53523*
hazards and safeguards 19128
history 10900
Hungary 35921*
labor 19090 19110* 35922* 62039* 90313*
Lithuania 26003*
mechanization 27021* 35932* 44948* 90325*
Pennsylvania 53522
Rumania 44939*
USSR 70867 19121* 53533* 90316*
Yugoslavia 79275*
SEE ALSO Logging; Sawmills
Lumbricus terrestris 20600
Luminescence
insects 4972 12800 12801 33899 73656 92409 12842*
plants 9228 24777 33899 50949 69013 77463 87487 87677 33214*
reviews 60177*
Luminescent analysis 40152*
Lumpy jaw SEE Actinomycosis
Lumpy skin disease 11561 19857 80241
Lumpy wool disease SEE Dermatomycosis
Lunaria annua 25172
Lunaria biennis SEE Lunaria annua
Lunaria rediviva 88157*
Lunaria seed oil 40080
Lundbaek Nordjyllands Landbrugsskole 66941*
Lundstroemia 12874
Lung flukes 91191 3711* 28054* 55131*

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Item

Lunger disease SEE Pulmonary adenomatosis
Lungs 3146 19611* 62457* 45843* 90958*
cattle 27834* 36724* 45552*
diseases 80286 36632 36647* 80257* 80561*
diseases 62449*
dogs 63045 80548 36829*
diseases 80540 63062* 72305*
guinea pigs 63199
horses 28095* 36893* 45843* 63166*
ruminants 36246
sheep 46143*
swine 20509 46245*
diseases 4243* 4270* 28698* 91877*
reviews 4279*
Lungworms 11272* 79860*
asses 45829*
cattle 36736 62742 62743 80355 19814* 72131*
control 36700 11697* 54279*
immunization 54337 80250
New Zealand 27724
resistance 91071
treatment 19842* 36578* 45588* 72083*
dogs 45747 45780 45757*
goats 81095*
hares 72759*
ruminants 53831 27449* 90656*
sheep 12165 28485* 72831*
control 91713*
diagnosis 46262*
Latvia 63484*
treatment 63466* 72083* 81098* 81103* 91676*
USSR 54939* 72881* 81095* 91706*
swine 4260 20492 55089 55090
control 54279*
treatment 20484* 28697* 46246*
transmission 36323
treatment 54026*
Lupanine 34307 69228 88199 25244* 43014* 77783*
Luperina testacea 92116*
Luperus 55739*
Luperus (Calomicrus) 82241*
Lupine
abnormalities 68449 68284*
analysis and composition 91692
anatomy and physiology 794 9132 51052 68558 68607 68963 87670 951* 9038* 25098* 42470* 51134* 59569* 68284* 68569* 68887* 68927* 68928* 87553*
biochemistry 34255 34307 43046 68485 69169 69228 88141 88199 88200 25228* 25244* 43014* 69220* 77825*
breeding 41393*
Germany East Germany 25470*
Hungary 88589*
Poland 25450 69553 69574
Sweden 1622*
USSR 51779*
costs and returns 23373*
culture 68927* 68928*
Bulgaria 89668*
Czechoslovakia 88509*
Germany 26839* 79235*
East Germany 77930* 88523*
New Zealand 34538

Item

Lupine--Cont
culture--cont
Poland 88616*
Republic of South Africa 1600*
USSR 25419* 60538*
cytology 830
defoliation 9038* 51134*
disease resistance 1568 16425 67949
ecology 68505
effects on soils 2280* 35289* 35407* 44159* 44261* 44281* 44282* 44784* 71133* 78747* 89649*
farms 40556*
feed 28592*
fertilizers 2344* 59439* 78754*
fungus diseases 1568 16023 33187 33335 67949
control 24370*
Hungary 41761* 67793*
USSR 67786* 86930*
genetics 16425 68421 68450—68452 68485 68486 68487 68496 68497 68505 8821* 16489* 25228*
germination 34076 42744*
harvesting 42744*
history 86460
hybrids 25450 68285 68449—68453 68497
inoculation 18087
morphology 42310 68285 68486 24549* 59423* 59438* 59439* 59569* 59606* 59675*
pest control 63929
planting 43297*
planting date 59675*
seeds 8901 63929 16489* 25098* 25419* 33424* 40556* 42744* 77930* 88523*
harvesting 51134*
quality 40152* 57487*
storage 13391*
treatment 24370*
soils 88551*
taxonomy 67455 86460 86418*
toxicity 72094 91692
varieties 69169 24549 69220* 88508*
Georgia 9457
Germany 88551*
East Germany 26332*
Netherlands 69611*
Poland 68505 69553
USSR 57487*
virus diseases 63929 24440*
weed control 43826* 70013*
Western Hemisphere 41393*
yields 2344* 24370* 88508*
Lupinus SEE Lupine
Lupulone 25223
Luronium natans 58618*
Lustrochernes 92317*
Luteinizing hormone 63518
Luteolin 69191*
Luteotropin 54681 62363 91068
Lutica 55674*
Lutzimicron n g 29606*
Lutzomyia 82405* 82406*
Lutzomyia appendiculata 38209*
Lutzomyia cavernicola 21216*
Lutzomyia gaminarai 38208*
Luzula 42263 87303*
Luzula acuminata 50030
Luzula campestris 33793
Luzula campestris multiflora SEE Luzula multiflora
Luzula multiflora 50888

Item

Lyallia 24568
Lyamungu (Tanganyika) Coffee Research Station 61026
Lycaedes argyrogonomon 82761*
Lycaena 55990
Lycaena nivalis browni 64587
Lycaenidae
Africa 47142 92594
anatomy and physiology 55950 82689 82696 82761*
Arizona 5513
as pests 29679 73324*
cytology 21402*
Florida 82772
food and host plants 55941
genetics 29696*
geographic distribution 64684
habits and behavior 21377 47143 64680 82689
Nevada 55973
New Hampshire 29728
parasites 82696 73769*
rearing and breeding 5513
taxonomy 47141 21382* 21403* 47194* 82706*
Western Hemisphere 5380 29653 55933 73809
Lycaenopsis pseudargiolus 29735
Lychee
analysis and composition 75093
anatomy and physiology 60260
culture 43381 34691*
fertilizers 61349
fungus diseases 86554
pests 37706*
seeds 51484
spraying and dusting 29087
Lychnideae 41392* 58652*
Lychnis alba 51511
Lychnis floscuculi 87319*
Lychnothamnus 67572
Lycia hirtaria 38487 55944*
Lycia hirtaria nigra 5472
Lycidocoris 64510
Lycium 32828
Lycium ruthenicum 21374* 59320*
Lycken G 41186*
Lycomax SEE Saropogon (Lycomax)
Lycopene 75122
Lycoperdaceae 77013*
Lycoperdon 50130* 77013*
Lycoperdon giganteum 58777*
Lycopersene 42964*
Lycopersicin SEE Tomatin
Lycopersicon chilense 16459
Lycopersicon esculentum SEE Tomatoes
Lycopersicon glandulosum 89226
Lycopersicon peruvianum 33638* 42387*
Lycopersicon pimpinellifolium 16486* 33595* 42308*
Lycopodium 23864 23895 68668 82020*
Lycopodium annotinum 195 41904*
Lycopodium inundatum 58731
Lycopodium phlegmaria 25239*
Lycoprosopa n g 82382
Lycopus 86450
Lycorininae 29612
Lycoris 52015 59631
Lycoris squamigera 52059
Lycosa baltimoriana 55665
Lycosa punctipes 55703 64316
Lycosa sumatrana 55703 64316
Lycosidae 12787* 21054*
Lycotherates SEE Neosaropogon (Lycotherates)

Item

Lyctidae 82271 38098*
Lyctus 4760 81866 64101*
Lyctus brunneus 20918 73642 29135*
Lydella stabulans grisescens 46516
Lyela 55990
Lygaeidae
anatomy and physiology 5211 5261 55869 64494 29538*
Chad 64528*
Ethiopian Region 92516
Great Britain 38356 73751
India 64494
Japan 12925 47003
Mediterranean area 38337*
Mongolia 64521*
New Guinea 38339
taxonomy 38340 82556 92514 38307* 38335* 38353* 64528*
types 73765
USSR 64521*
Lygaeonematus abietinum SEE Pristiphora abietina
Lygaeosoma sibiricum 64521*
Lygaeus sidae 47037
Lygephila 73858
Lygeum 87339*
Lygodium japonicum 33604*
Lygus 55862 81728
Lygus hesperus 28952 46431 55466
Lygus lineolaris 55466 82518
Lygus pratensis 37640* 92100* 92506*
Lygus rugulipennis 29040* 92506*
Lymaenon 38327 47107
Lyman H H 67221
Lyman Entomological Museum SEE McDonald College Lyman Entomological Museum
Lymantria dispar SEE Porthetria dispar
Lymantria monacha 29648* 29658* 46654* 64105* 92229*
Lymantriidae 5343 5509 92237 38451* 82778*
Lymeon 38417
Lymexylidae 4699
Lymexylonidae 92365*
Lymph 91718 80567* 81059*
Lymph nodes 36277*
arachnids 46787
cattle 80407 11547* 45679* 54301* 54335* 72234* 72244* 72245* 80394* 80422*
ducks 37061*
geese 37061*
insects 21232
poultry 20263
sheep 63471 63440*
swine 28641 31290* 72244* 72245* 73010*
Lymphadenosis SEE Leukemia
Lymphangiography 63056
Lymphangitis epizootica 20081* 27442* 45825*
Lymphocytic choriomeningitis 80698 91999*
Lymphoma 37036 37044 45765 63083 72314 90716
Lymphomatosis 11978 37109 80878 80879 72660 11989* 54773* 80893* 80895*
diagnosis 20244*
treatment 28328
virus 3962
Lymphosarcoma 3684 54271 63170 45844*
Lynchia americana 4459
Lyngbya 214
Lyngbya aestuarii 768*

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Item

Lyon Ecole Nationale Veterinaire 90634*
Lyonetia clerkella 37696*
Lyophilization 19457* 74525*
SEE ALSO SUBHEADS freeze-drying; lyophilization UNDER specific subjects
Lypesthes 21113
Lysenko T D 60627*
Lysergic acid 9223 9224 60089
Lyshede J M 49798*
Lysichiton SEE Lysichitum
Lysichitum 32808 34026*
Lysimachia 67444*
Lysimachia punctata 16378*
Lysimeters 2048 2049 16856 35104 35114 44268 52431 52432 10016* 24835* 35103* 52814* 61075* 78341* 89454*
Lysine
in animal nutrition 48127* 63134*
in bread 49735
in cattle nutrition 54144 54214 62656
in grain 31133
in human nutrition 15465 32484 49667 58351 49671*
in oilseeds 31371
in poultry nutrition 20159 28194 54721 91414 91817
in rat nutrition 81182
in sheep nutrition 12094
in swine nutrition 4202 4216 12211 28628 63598 72936 81182 91414 91817
in turkey nutrition 3880 72495
in vegetables 30959
Lysine acylase 35195
Lysiphlebus 5323
Lysiphlebus testaceipes SEE Aphidius testaceipes
Lysolecithin 22777
Lysozymes 31445* 80793*
Lythraceae 50012
Lythrum 50012
Lythrum salicaria 16747 11313*
Lytta 92407
Lytta margarita 92407

M-81 20774* 20884*
Maackia amurensis 62217
Maackiain 62217
Maaliol 66116
Maatschappij ter Bevordering van den Landbouw 94718*
Mabel Loomis Todd Forest See Amherst College Mabel Loomis Todd Forest
Macadamia 24249 41934
McArdle R E 8020
Macaroni 66126 31095* 93728*
Macaroniscus SEE Epironiscellus (Macaroniscus)
Macaulay Institute for Soil Research 52369
McCord N B F 2781
MacDonald College Lyman Entomological Museum 64249 82087
Macdunnoughia n g 64648 92597
Macdunnoughia confusa 37759*
Macellophus 64314*
Machadobelba 29291

Item

Machadorythus n g 38567*
Machadorythus palanquim 38567*
Machaerium scleroxylon 86494*
Machaerocera mexicana 82847
Machaerotidae 37965
Machilidae 29784* 56017* 92670*
Machilis 29784*
Machilis burgundiae 29813*
Machimus 82384*
Machine tractor stations
Bulgaria 92848*
Czechoslovakia 82996*
Germany
East Germany 66938* 83161*
Rumania 40549*
USSR 7631* 14952*
Machinery SEE Equipment; Mechanization; and kinds of equipment
Machris Brazilian Expedition 58735
Macintire W H 94894
Macku J 41180*
Macleaya cordata 88242*
Maclura 2716*
MacMichael viscosity method 31120
Macrholaspis 46776*
Macrocephalus 55859
Macroceroea grandis 5227
Macrocheles 4917*
Macrocheles muscaedomesticae 4951 4963
Macrochelidae 4908 4918* 46776*
Macrodytes marginalis 29240*
Macroglossum stellatarum 5345 5349 5356 13036
Macrohasseltia n g 32722
Macrolepidoptera
Austria 82705*
Finland 38485*
Great Britain 5340 5543 64660 82682
Hungary 21433*
Netherlands 29694* 55917* 55989* 92602*
numbers 21431
parasites 82783*
Scotland 5510 64633
stratification 21431
Macrolides 89551
Macrolophus nubilis geranii 38306*
Macromia 21500
Macromolecules 93042
Macronema 56026 56040*
Macronema trilineata 29796*
Macronoctua onusta 20860
Macropeza 5123 64464
Macrophoma 517*
Macrophoma mangiferae 413
Macrophomina phaseoli 41799 58999
Macropsidius 38289*
Macropsis 55855 38289* 46994*
Macropsis fuscula 73309
Macroseius biscutatus 73569
Macrosiphoniella 92499
Macrosiphoniella parthinii 82521
Macrosiphum 29533 92499 92504*
Macrosiphum dirhodum 12471
Macrosiphum euphorbiae 24400 46432 55848 82504 92504*
control 81823
diseases 55455
Macrosiphum granarium 12471 92107*
Macrosiphum pisi 63934
anatomy and physiology 47028 21268* 64503*

Item

Macrosiphum pisi--Cont
as pests 4641 28990
control 20751 46473 46474
parasites 4405 64571*
Macrosiphum rosae 81823 46992*
Macrosiphum solanifolii 28998*
Macrosteles 64487*
Macrosteles fascifrons 20738 29045 46509 55401
Macrotermes gilvus 82903
Macrothamniella 8268
Macrothylacia rubi 64666
Macrotoma 92363 92364
Macrotomini 12809
Macrotylus 38300
Maculatum disease 28934
Maculodyenmonus SEE Dyenmonus (Maculodyenmonus)
Madeira cockroach SEE Leucophaea maderae
Madhuca butyracea 66130 84185
Madhuca indica 6052 66130
Madhuca latifolia SEE Madhuca indica
Madia glomerata 50986
Madison River Canyon Earthquake Area 44906
Madras Agricultural Dept 41118
Madras Agricultural Students' Union 76448
Madras Animal Husbandry Dept 27487
Madras Co-operative Central Land Mortgage Bank 14705
Madras Veterinary College 90661
Madras Veterinary College Association 90662
Madrid Escuela Tecnica Superior de Ingenieros de Montes 18670 18672*
Maecolaspis 82215*
Maesopsis SEE Mesopsis
Magdalis armicollis 64564*
Magdalis barbita 64564*
Magdalis inconspicua 64564*
Magicicada septendecim 46580 81423 81776
Magnesite 44868*
Magnesium
conferences and congresses 94875
determination 2112 22329 44513 51485 83649 89941 47658* 47673* 78375* 83368* 89514*
effects on plants 978 33902 34214 43043 51138 51299 59828 59874 59956 67807 77573 77590 78392 87559 9040* 24997* 42657* 42658* 68666* 68923* 69009* 69156* 87689*
bibliographies 42535
fertilizers 44513 52823 79004 89680 9029* 18251* 47673* 52792*
apples 78609*
beets 35404*
corn 52501
field crops 52854 78625 89720*
flax 70544*
forage plants 18125
Hakea multilineata 35328
Hevea brasiliensis 44153
pineapples 35361 78617
potatoes 52761
soybeans 52501
vegetables 52854

Item

Magnesium--Cont
in animal nutrition 90515 90540 53789* 89565*
in animal physiology 90757 94875
in blood 37252 72110 90966 27655* 45298* 62815*
in cattle nutrition 3464 3554 90950 19719* 27771* 45515* 72231*
in cattle physiology 45660 72246 80445 91063
in eggs 75651*
in forage plants 90515 51349*
in grain 90515 48523*
in guinea pig nutrition 28135
in human nutrition 94805
in plant nutrition 10795 16606 25081 35838 16640* 89565*
in plants 9009 11652 16604 24832 48226 51379 51485 87551 87639 88103 94875 9029* 16952* 18354* 24791* 24894* 35142* 35169* 42594* 42708* 47673* 83368*
bibliographies 998
in poultry nutrition 11905 28197 91451
in rat nutrition 36928
in ruminant nutrition 4116
in ruminant physiology 45298*
in sheep nutrition 63417 81111
in sheep physiology 4116 12090
in soils 2112 9009 10054 16709 35160 35282 43947 52823 52854 70259 70296 78392 89481 89496 94875 2097* 10043* 16640* 18048* 18251* 26083* 35142* 35169* 52494* 70284* 70294* 70312* 78375* 89514* 89565*
in tobacco 42528*
in vegetables 22329
in wine 83649
Magnesium ammonium phosphates 79873
Magnesium bisulfite 36029*
Magnesium carbonate 26089* 66252*
Magnesium chlorate 9426* 9429*
Magnesium fluosilicate 2857*
Magnesium glutamate 27996*
Magnesium oxide 77735* 79543* 91095*
Magnesium phosphate 18284*
Magnesium sulfate 27959 66252* 72140*
Magnetic analysis 39257*
Magnetic resonance absorption (by electrons) 24940 77559 84094 87518 87583 88230
Magnets
in entomological research 5180
in veterinary medicine 62713 19924*
reviews 62925*
Magnistipula 67396*
Magnolia
California 60807
culture 60743 60827
diseases 58886
germination 8984 69043*
Japan 58723
North America 58664
pests 58886

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Item

Magnolia--Cont
propagation 60820
60836 69043*
varieties 25710 60743
60752
Magnolia campbelli 60799
Magnolia grandiflora 35371
44708
Magnolia soulangeana 60756
Magnoliaceae 77828*
Magnoliavine SEE Schisandra
Magyar Agrártudományi
Egyesület Állatorvosok
Társasága 27464*
Magyar Rovartani Társaság
46304*
Mahaleb cherry SEE Prunus
mahaleb
Maharashtra State Co-
operative Bank 85225
Mahogany SEE Swietenia
Mahonia 34724 76820
Mahonia aquifolium 68533*
Mahonia japonica 15770
Mahonia lomariifolia 15770
Mahua SEE Madhuca
Maianthemum 61971*
Maianthemum bifolium 127*
Maikop Opytnaya Stantsiya
43374*
Maine E C 67207
Maine Forest Serv 90029
Maine University
Agricultural Extension Serv
report 58169
Maireina 15859
Mairin 9237
Maisons familiales (France)
58176*
Maize SEE Corn
Majorana hortensis 93883*
93884*
Makhorka SEE Aztec tobacco
Makrania 47130*
Mal secco
citrus 41730
Malacantha 32774
Malachiidae 5048 64395*
Malachite green test 6898
93817*
Malachius sardous 38092*
Malachodermia 82271
Malacocarpus 15774*
Malacodermata 21156 64395
46908* 46909*
Malacosoma alpicola 82666*
Malacosoma americanum
20879 73827
Malacosoma disstria 64112
81878
Malacosoma franconicum
47148*
Malacosoma neustrium 81402
92239 4711* 81736*
Malacosoma pluviale 5362
Malaise II 64239
Malameba locustae 73878
93768*
Malanorrhoea usitata 84936*
Malaria
bibliographies 55349
67587
causes 37069
Congo 37543*
control 4513
Asia 81593
Brazil 55276*
Cameroun 20575*
India 55332 55344
Italy 4477*
Mexico 4581*
Nigeria 81539
Pacific area 55317
Spain 81568*
Upper Volta 55247*
USSR 37600* 55290*
eradication 4545 12414
28907 28844 28938
55249 63825 73151
81398

Item

Malaria--Cont
eradication--cont
Africa 7791 28843
81465 37570*
Brazil 37578*
Iraq 4495
Italy 28824*
Pacific area 55267
Ethiopia 20635
history 20641
India 4410
poultry SEE Avian malaria
Rwanda-Burundi 37543*
Sardinia 4486*
Tobago 4577
transmission 4565
28825 81612 55269
Brazil 37511*
Congo 92026*
desert areas 63860
East Africa 73144
India 81410
Portuguese Guinea 66945*
reviews 46419 55366
Rhodesia and Nyasaland
4524
Tanganyika 92055
USSR 73727*
Vietnam 37577* 55304*
Yugoslavia 81542
Trinidad 4577
USSR 37600*
Malate 1319 33892 42937
60303
Malathion 73088
adjuvants 63780
alfalfa pest control 20718
chemistry 4451*
determination 4446
5946 28799 31256
74415 91993
effects on plants 8386
81719 91990*
flea control 28909
fly control 46388
forest pest control 81899
fruit pest control 12584*
insect resistance 4390
4447 28786 28802
73084
louse control 37595
mosquito control 4430
12392 20585 55348
81607 63747*
mushroom pest control
29021*
rabbit pest control 46410
residual effectiveness 4430
55348 81510
residues 5946 31256
31280 37475 57021
74415 81719 29021*
48414*
stability 63780 55213*
storage pest control 12606
20867 29116 29131
37772 55525 81834
sugarcane pest control
73220
synergism 4437 20594
toxicity 4405 20565
55184 73220 81449
Malaxis 41445
Malaxis paludosa 58615
Malaya Dept of Forestry 18690
90059
Malaya Forest Research
Institute SEE Kepong
(Malaya) Forest Research
Institute
Malaya Rubber Industry
(Replanting) Board 31499
Malayoside 77833*
Malefern SEE Dryopteris
filixmas
Maleic hydrazide
effects on plants 2391
8867 8884 8996
9128 16628 25018

Item

Maleic hydrazide--Cont
effects on plants--cont
25046 25154 33600
33934 34685 42791
43446 59087 59817
77390 77696 87571
87860 88007 42807*
59484* 68297* 69087*
75211* 87722* 87795*
herbicides 17648 17672
17692 70111
residues 7306 22911
41030 93559
Maleimide 67805
Malesherbia 86498*
Malesherbiaceae 86498*
Malic acid
in wine 33892 21960* 39140*
74575* 83616* 83666*
83697*
Malic dehydrogenase 33184
1326*
Malignant catarrh 3552
11667 11548* 11643*
19889* 80312*
buffaloes 3414*
Canada 27808
United Arab Republic 45693
Malignant edema 36269
3130* 4146* 36598*
36857*
Malinowski E 76707
Mallein 54629* 80626*
Mallochia 38417
Mallochohelea n g 64464
Mallodon downesi 5001
Mallomonas 86534
Mallophaga
collecting and preserving
5638 64733*
collections 47237
control 12425* 63857*
ecology 29818 73917*
Great Britain 37601
hosts 29818 64718
73145 81475 81574
92675 64741* 73917*
Malagasy Republic 29806*
Neotropical Region 21482
38562 64717
nomenclature 56027
56028 56032
North America 73145
parasites 81475
phylogeny 29818
Poland 28868 92675
Rumania 21497*
taxonomy 5594 5600
38564 64717 64718
73586 73907 13097*
47246* 64741*
types 47237 64741*
Venezuela 5594
Yugoslavia 73587
Mallophora bomboides 55630
Mallow SEE Malva
Malocclusion 12116
Malonaldehyde 84644
Malonic acid 42624
Malouetia bequaertiana 42973*
Malpighia glabra SEE
Barbados cherries
Malpighia punicifolia 84290
Malpighiaceae 23952*
Malpighian tubes 12942
29517 29563 29715
12725* 55744*
Malt
analysis and composition
31109 39179 93714
31136* 75294* 93721*
chemistry 6832* 14259*
enzymes 13618 39806
14307* 75293*
extracts 93731 57161*
feed 72065*
hydrogen-ion concentration
57161*
microorganisms 39860
14307*

Item

Malt--Cont
products 6150
properties 6801*
quality 22512 39148
39821 74589*
sterilization 39052*
tests 39794 93731
84423 93721*
trade 15399* 58287*
67072* 94786*
utilization 79645*
Maltase 36824
Malthinus chujoi 21156
Malthodes 82271
Malting Barley Improvement
Association 69386
Maltose 51248 62494* 68748*
Mal'tsev M A 94897*
Maltulose 39847
Malus 2985 16182
Malva 43310* 45214*
Malvaceae 12475* 68365*
68757* 77439* 81623*
Malvales 73738
Mambara nigropunctata 64684
Mamestra brassicae 21389
29642* 38434* 47173*
82671* 82720* 82735*
92575*
Mamestra splendens 29680*
Mammaria 32950*
Mammary gland 90651
anatomy and physiology
90630 90638 90663
90960
cats 11756*
cattle 27842 36671
90965 11547* 36567*
36738* 72093* 72116*
72180* 72255*
dogs 36820* 80534* 91268*
goats 20355 27842
37201 46151 91718
54975* 81020* 81059*
guinea pigs 91612
mice 28132 36937 91337
rabbits 37151 54868*
rats 3801 3803 36936
36941
sheep 12137 37247
swine 73028* 73029*
91893*
Mammillaria 69893 17432*
67485*
Mammillaria plumosa 34202
Mamora Forest 2595*
Manabi Consorcio de Centros
Agricolas 23544* 23545*
Dept de Agronomia 16998*
Dept de Veterinaria 19520*
Manatees 25874
Manchu walnut SEE Juglans
mandshurica
Manchurian ash SEE Fraxinus
mandshurica
Mandarin orange oil 48463
48789—48792 48802
48803
Mandarin oranges 6615
88870
anatomy and physiology
42830 60122* 68555*
68564* 68678*
culture 48802 34627*
diseases 24442 31015
33404
fertilizers 35359
hardiness 68678*
industry 39614
products 65317*
seeds 60122*
storage 31015
varieties 9596
waste 48463
Mandel G 15549*
Mandelamine SEE Methen-
amine mandelate
Mandevilla 52029
Mandevilla splendens 25761

*Text of this reference is not in English.

Item

Mandibular glands 73438
5298*
Maneb 86897*
Manganese
determination 6429
48520* 78384*
effects on plants 1215
1292 8880 9151
10063 42665 42723
51138 59935 68813
77600 87990 1218*
1220* 1250* 9039*
9040* 9122* 42899*
60110* 68755* 69182*
87936* 88023* 88033*
88111*
bibliographies 1001
fertilizers 68813 52690*
78384* 78719*
alfalfa 70626* 70627*
Australia 70514
carrots 61421*
field crops 10238
Florida 61650
grapes 61393*
sugar beets 2347*
sweetpotatoes 44138
wheat 2347*
in animal nutrition 80782
19401* 72055*
in blood 3069
in cattle physiology 3069
72157 73498 80425*
in corn 87857
in feed 3069 6429
in grain 48520*
in milk 65404*
in plant nutrition 25075*
in plants 1246 10282
17998 24986 33909
34040 51282 60053
60144 60145 91692
24791* 70273*
in sheep physiology 72839*
in soils 2071 17998
35131 60144 60145
77600 43951* 70273*
70280* 78719* 78384*
Canada 52575
Congo 50582*
Latvia 26061*
Spain 17972*
in straw 48520*
in swine physiology 20497*
Manganese chloride 87381
Manganese ethylene bisdithiocarbamate SEE Maneb
Manganese oxides 51322
Manganese sulfate 10282
24986 35284
Mange
bats 28839*
buffaloes 63816
cattle 14392 19914
27861 19883* 20671*
control 63816
Hungary 3521
treatment 37598
dogs 36800 36836 54547
80556 36794*
goats 28519
horses 28879*
man 4485
rabbits 46410 73185*
swine 55279*
wildlife 73185*
SEE ALSO Ear mange; Scabies
Manginella n g 67580*
Mango juice 84363
Mango oil 75567
Mangoes
abnormalities 81772
analysis and composition 14060
anatomy and physiology
1240 9011 16578
34170 42452 42829
42831 43387 68931
69055

Item

Mangoes--Cont
biennial bearing 1240
42829 87968
biochemistry 48456
breeding 60658 60678
88878
culture 26320
diseases 413 24331
25599 33895 34238
drying 31047
fertilizers 26320 78741
for processing 39770
fruit set 33707
history 65690
hybrids 88878
injuries 42452
morphology 822 33673
33705—33707
pest control 63980
pests 38113 46590
81772 82498 38045*
plant parasites 89248
pre-harvest drop 9011
42832 69055
processing 48433*
products 14133
propagation 1248 16578
78051 69714*
ripening 48456
seeds 68931
varieties 33707 34625
39770 43385 43390*
yields 43387 60650
78741 43390*
Mangold E 15555* 32543*
Mangolds SEE Beets
Mangroves 35146 59293
672*
Manihot esculenta SEE Cassava
Manila University of the Philippines
College of Agriculture Central Experiment Station 58466
College of Forestry 71191
College of Veterinary Medicine 62416 62497
Forest Products Research Institute 19271 27073
36065
Maniola jurtina 64581 73839
Manitoba Agronomists 60371
60380
Manitoba Dept of Mines and Natural Resources 49246
Manitoba Milk Control Board 47998
Mann W M 94920
Mannans 11030 21982
53650 36189*
Mannitol 16733
Mannose 36055
Manobia 12834
Manometers 10420 11980
71813
Manometric tests 48789
52578 62494*
Mansholt Plan 76031*
Mansonia 92483
Mansonia (Mansonioides) 55840
Mansonia annulata 20646
Mansonia longipalpis 20646
55311
Mansonia metallica 46420
Mansonia perturbans 38267
Mansonia uniformis 46979
55311
Manteidae SEE Mantidae
Mantidae 13062*
Afghanistan 92633*
anatomy and physiology
73872* 73875* 82835*
Australia 56012
Brazil 29766* 82843*
82844*
Comoro Islands 29261*
cytology 5562 56012
habits and behavior 82835*

Item

Mantidae--Cont
Malagasy Republic 38546*
taxonomy 38538*
Mantis religiosa 82835*
Mantispidae 29802 29261*
Mantodea SEE Mantidae
Mantoidea SEE Mantidae
Mantura burlinii 82242*
Manual Azucarero Mexicano 48926*
Manuleiger n g 29368*
Manure gas SEE Methane
Manures 10187 10310
18616 35387 37509
52753 78975 89688
10301* 18314* 18354*
35369* 44215* 61383*
70540* 70931* 89694*
89722*
analysis and composition
18651* 79032*
application 10312 61452
78710 35614* 61358*
70934*
equipment 5695*
47379* 56154* 74062*
Germany 74059*
74061* 83069*
Great Britain 64857
Switzerland 64869*
Hungary 26249*
USSR 44286*
Canada 70916 70920
care and handling 10507
10510 12377 21657
26656 35612 35613
70930 74374 79039
21659* 35614* 38734*
74343*
equipment 5796
38729 38730 38822
83152 13289* 21651*
21652* 29979* 29982*
38727* 38741* 47451*
47454* 47455* 56211*
64924* 83156* 92908*
Germany 29977*
38646* 74170* 74141*
83163*
Norway 38805*
reviews 13288*
64922*
USSR 74174*
reviews 92977*
cattle 21760 26337
28937 54431 70919
79047 74285*
chemistry 70921*
Congo 35405*
costs and returns 26649
53092 79045 2535*
85637*
France 35616*
Germany 44537 44277*
East Germany 89749*
Great Britain 35619
52691
Hungary 2248* 26280*
52695* 61391* 70494*
70572* 78611* 89961*
India 2254 10512 26648
79030
Ireland 70923
Japan 71238*
labor 49077*
liquid 3034 28937
52728 18618* 26287*
89956*
application 10312
26212* 52755*
equipment 38679*
56147* 83080*
care and handling 38739*
equipment 29975
47454* 56212*
Germany 44537
Great Britain 70922
India 44536
storage 89956*

Item

Manures--Cont
loading equipment 5695*
29870* 56085* 73936*
marketing 10507
microorganisms 26647*
70917*
Netherlands 2353* 10286*
44273* 89709* 89952*
Nigeria 26652
Poland 70929*
poultry 5823 10505
13420 21656 70935
83152 26650* 28387*
processing 26654* 70918*
70929* 83295*
Republic of South Africa 35609
sheep 2530 2298*
10273*
Spain 79043*
storage 89955 38847*
74343*
Sweden 10232* 78738*
swine 78694 79045
65040*
tests 10226*
USSR 10223* 26201*
35408* 35615* 53094*
78554* 89759* 89958*
Maple SEE Acer
Maple sirup and sugar 66250
85078 22856*
analysis and composition
94080 94081
care and handling 40202
chemistry 85014
industry 57521 66247
microorganisms 57509
94080
processing 14627 14628
48888
statistics 13573 14617
Mapouria 32741
Maps 7546
Canada 81378
conferences and congresses 90097
Near East 7458
Netherlands 49380*
Norway 57805*
Pacific Northwest 85421
USSR 85347 66590*
85338*
United Arab Republic 7458
SEE ALSO UNDER specific subjects
Marantaceae 836
Marasmiellus 41542
Marasmius 41542
Marasmius oreades 33248
Marbadal 19866*
Marchantia polymorpha 625*
69196*
Marchantiales 68270* 68271*
Marchasta 76990
Marchlewski J H 76713*
Margaretania n g 47130*
Margaridisa 82215*
Margarine 65375*
analysis and composition
7085 48737 74694
75556 93922 57360*
associations 40036
consumer preferences 14456
consumption 74764 65109*
feed 71994*
grading and standardization 13810*
history 93940*
hydrogenation 75612
industry 75594*
manufacture 48773 57362
13810* 84812*
marketing 65465
22673
nutritive value 76643
41075* 76641*
properties 75588* 75589*

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Item

Margarine--Cont
research
statistical methods 14456
situation and outlook 66124 48757*
statistics 83581 14500* 84839*
vitamins 93922
Margaronia unionalis 55475
Margatteoidea 82845*
Marginal utility 56388
Marginitermes 21493
Margites 92378*
Mari N N 58411*
Marietta 38327
Marigold SEE Tagetes
Marijuana SEE Hemp
Marine borers 35959 10947* 10967*
control 19182 71448 37793* 62094*
Mariscus 58691*
Maritime Marshland Rehabilitation Act 44342
Maritime pine SEE Pinus pinaster
Market reports 2874 6444 6678 14366 21811 22382 22758 31438 31463 48377 57005 57572 84653 93585 93594 38964*
Illinois 31275
India 56380
Maryland 57603
Southeastern States 57416
Marketing boards 83419 83422 83439
Australia 93964
Canada 23535
conferences and congresses 83391
developing areas 85972
Great Britain 65128
Nigeria 5972
legal aspects 83393
Markets and marketing 30160 30161 30190 30195 30196 30202 30205 30209 30272 31944 38960 38968 49116 56381 56384 56392 56393 56395 65133 74472 75417 83383 83385 83397 83406 93072 23280* 38937* 65138* 65139* 93066*
agreements 7558 22368 22377 22380 30571 38934 38954 38959 39196 39669 48374 56407 56408 65131 65145 66916 75130
associations 6048 56382* 84276*
Australia 5976 30169 30189 40290 47686 47710 83436
Austria 21815* 30175* 93077*
Belgium 47704*
Canada 65143 65144
China 74460*
compulsory deliveries 30186 31927*
conferences and congresses 5985 30158 38921 38952 40264 56368 74469 21863*
cooperatives 5967 21831 21837 30170 30172 30178 30187 30193 30194 30216 32369 38941 38961 38968 38973 56387 65137 74459 74475 83399
Austria 83400*
Ceylon 83411

Item

Markets and marketing--Cont
cooperatives--cont
Europe 30200*
Florida 65119
Germany 83429* 93082*
East Germany 47683*
Great Britain 74464*
India 74458 83416
Malaya 83447
Nepal 83435
Pakistan 83430
Singapore 83394
costs 5978 30214 75354 93064* 93079*
Denmark 65130*
developing areas 74449 74455*
directories 38953 84264 40835*
discount outlets 38932 56394 74462
Europe 30191
exchanges 21825 84263 65124*
France 30166* 47684* 47703* 48359* 56378* 56379* 56383* 83380* 83402* 93076*
French Overseas Territories 30121*
Germany 56386 13491* 40577* 56397* 65127* 74454* 74468* 83432* 93070*
East Germany 31656*
Ghana 13460
Great Britain 5975 21810 38930 65140
history 38958 65141* 76764* 93069* 93083*
Hungary 21820* 83398*
India 21813 38931 56389 83437 83441
interstate 14529 14551 31444 47697 57258 65447 74770 74772 74802 83746 84656
Ireland 83443
Israel 47713
Italy 47702* 65134* 93078*
Jamaica 30179
Japan 13471*
Latin America 74450*
legal aspects 38940* 45578* 57133* 57189* 65113*
legislation 14097 30210 6804*
middlemen 14098 21822 48384
Mississippi 15386 85821
mountain areas 6926* 49006* 66549*
New York 76670
Nigeria 5972 13482 56399
North Carolina 65132
Norway 21826*
orders 21829 22368 22380 22741 30171 30209 31460 31475 31479 38922 38927 38934 38936 38949 38954 38959 47687 48859 56411 56690 56997 57012 57412 57449 65117 65123 65145 65457 66167 74471 74773 75130 83408 83433 84241 84252 84259 84260 84867 84875 93058 93601 93955 93967 93986
Poland 21839* 65126*
policies and programs 5984 13486 21809 22589 30176 30182 38944 38957 38965

Item

Markets and marketing--Cont
policies and programs--cont 38966 38973 47691 47698 47699 47966 47968 57855 65131 74453 83389
Australia 30208
Canada 14831
Germany 83409*
Italy 49177* 93057*
Mexico 74455*
Portugal 83434*
USSR 47764
United Arab Republic 30163
regulation 13488 14095 21829 22368 22769 30171 56401 56407 56408 56696 75431 74456*
Belgium 39318*
Europe 74795* 74796*
European Economic Community 38945* 84650*
France 39318*
Germany 39317* 83396*
Great Britain 39316*
Oregon 5982
Switzerland 39315*
Texas 14090 14102
Republic of South Africa 21828 21836
research
linear programming 75422
statistical methods 13462 38938 38955
retail 5981 6861 21816--21818 21827 21835 22351 22936 30184 38932 38951 39662 48649 53702 56373 56405 65120 74457 74505 74780 74789 74803 75793 83401 83405 83428 85286 93059 93071 93579 13485*
Florida 56404 65742
Great Britain 47701 65740
Illinois 14646
Indiana 2964 74440
Minnesota 36113
Netherlands 75135* 75136*
New York 5973
Ohio 93081
Oregon 14093 40234
Pacific Coast States 31463
Tennessee 22767
Utah 45112
Virginia 75617
Wisconsin 19226
Rhodesia and Nyasaland 14896
roadside 6866 22359 57014 84236
Sierra Leone 5983
situation and outlook 30204 36009 38925 38933 38972 56391 57626 21812* 83390*
Germany 21812* 47695* 47696* 83390*
Italy 47711*
New York 35982
Spain 5979* 21832* 21833* 38929*
statistics 65116
bibliographies 83445
Canada 84239
Colombia 13570*
Europe 11041 62156
Georgia 47694
Hungary 93061

Item

Markets and marketing--Cont
statistics--cont
Netherlands 30197*
Republic of South Africa 83445
USSR 74451*
Western States 48392
study and teaching 14079 21819 30185 38943 38950 56385*
Switzerland 30201* 93062* 93073*
Tennessee 85821
terminal 48360 48383 13468* 39689* 65746*
USSR 7504 30213* 32007* 56396* 93084*
United Arab Republic 56403
Virginia 5968
wholesale 14078 14138 19218 21814 48380 56693 65120 65197 93588
Alabama 65743
California 48363
Chile 38967*
District of Columbia 57003
Europe 6938
France 38947
Germany 13466* 13475* 13479* 30192* 47690* 75143* 75428* 93069*
Kentucky 14100
Massachusetts 39683
New York 47693 93587
Rhode Island 5986
SEE ALSO Auctions; Pools; Supermarkets; and SUBHEAD marketing UNDER specific subjects
Markov processes 4839 38955 66647
Marl 43974* 44107* 44108* 70528*
Marlate SEE Methoxychlor
Marlierea 58671*
Marmor cichorii 24401
Marmor tabaci 87091
Marriage 7839 57624 58140 85798
SEE ALSO Divorces among farmers
Marrow cabbage 34939 69969 44252*
Marsdenia erecta 54039*
Marsdenia tenacissima 24651
Marseilles Laboratoire National des Matières Grasses 48793
Marsh horsetail SEE Equisetum palustre
Marshallagia 46160*
Marshes
California 28867
Delaware 82491
drainage 35498 81585 18459* 44432*
ecology 681 8701 12911 50641 50645
Finland 90157 79263*
France 70753*
Hungary 2201*
Japan 33511* 77322*
Kansas 657
Louisiana 18144
New Jersey 81491 81569
New York 41096 67384
Norway 52729* 78613* 80162*
Poland 44017*
Portugal 635*
reclamation 26421 26570
France 26363*
India 26397 26503
Pakistan 26392
Portugal 26411*
Spain 26447*
Syria 35497

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Item

Marshes--Cont
Rhodesia and Nyasaland 26181 77964
Rumania 78518*
soils 17883* 26166*
Sweden 77969*
USSR 220*
Utah 87204
Marsilea drummondi 60191*
Marsilea quadrifolia 32879
Marsilea vestita 42244 59495
Marsileales 32878
Marssonina brunnea 50348
Marssonina juglandis 24376* 67935*
Marssonina mali 77136 77137*
Marssonina populi 8422
Martarega chinai 82501*
Martini E C H 23805* 32567* 41195*
Martinia n g 82382
Martiodendron 67459
Martonvasar Hungary Mezogazdasagi Kutato Intezet 85409*
Marx K 31806
Maryland Agricultural Experiment Station 58467
Maryland Agricultural Society 66981
Maryland and Virginia Milk Producers Association 56686
Maryland Board of Natural Resources 10571
Maryland Dairy Herd Improvement Corporation 62986
Maryland Farm Bur 66981
Maryland State Beekeepers' Association 64163
Maryland State Horticultural Society 60631
Marymont Poland Instytut Agronomiczny 89446*
Masaridae 64537*
Masdevallia 43486
Masdevallia veitchiana 24673*
Masencyrtus n g 12959
Masonaphis goldamaryae 5265
Massachusetts Agricultural Experiment Station 8100
Massachusetts Fruit Growers Association 43369
Massachusetts Horticultural Society 1666
Massecuites 22837 40179 40189 31552* 31589* 84989* 85012*
Masson F 8038
Mastigoproctus giganteus 4916
Mastitis 11226
cattle 3510 3531 3538 27729 29894 36593 39261 54367 54381 54382 3584* 6305* 19789* 19827* 19861* 19946* 27892* 36711* 62729*
Australia 3544 80279
causes 19820 19903 27705 27775 27825 27845 36559 36569 36669 36739 45373 45644 45669 54405 62829 62876 80220 80271 80437 80467 3438* 27705* 27775* 27825* 27845* 36618* 36685* 36743* 45597* 45603* 45642* 45658* 45670* 54387* 54432* 54443* 62853* 72217* 72218* 80438* 83833* 90986* 91078* 91134*
reviews 72190
control 11572 11592 21568 27715 54251 54272 54383 80370 80450 91020 3564* 62922*
Alabama 19863

Item

Mastitis--Cont
cattle--cont
control--cont
Australia 45581
Canada 80220
Germany 36571* 62765* 62827* 90980*
East Germany 91138*
Great Britain 54460
Michigan 54288
Minnesota 19916
Netherlands 91033*
New York 27893
New Zealand 56710
Norway 36558*
USSR 62715*
Vermont 54282
Wisconsin 62733
Yugoslavia 19912*
diagnosis 27797 47936 54384 62772 62820 3529* 11640* 27788* 27811* 27819* 45609* 45616* 72179* 80473*
Germany 80277*
East Germany 72174*
immunization 36554 62852*
Italy 11664*
prevention 45647 27807*
resistance 19829
reviews 36572
transmission 28917 28916*
treatment 3476 3555 11628 19908 27858 45373 62786 72243 91136 93394 6310* 11571* 11698* 19796* 19876* 27811* 36620* 36743* 45609* 45612* 45613* 45642* 54362* 54387* 62852* 72184* 80295* 80400*
reviews 62936
USSR 6304*
Yugoslavia 72107*
conferences and congresses 3126
control 19555
diagnosis 27455 36222* 45350*
goats 37226 72857 45603*
horses 63152* 72407*
prevention 79841*
rabbits 37159*
sheep 28496 37257*
swine 28695* 63664*
treatment 19555
vaccines 37226
SEE ALSO Contagious agalactia
Mastogloia 15830*
Matador Ranch 62989
Matairesinol 27142
Matches 53683 19246*
Mate 39119 5342*
Materials handling 7592 13543 13333 21524 21642 38606 38612 64788 73935 73969 73971 73977 21530* 30276* 93080*
conferences and congresses 83966 30292*
Mathiola 43497* 52031* 70592* 87241*
Mathiola incana 1322 42423 43016* 51551* 77455* 87461*
Matic V 76709*
Matini 46888*
Matricaria 17744 32724*
Matricaria chamomilla 35084* 47403*
Matricaria inodora 9887* 68302*

Item

Matrioptila jeanae 73898
Matsucoccus reviews 73736
Matsucoccus resinosae 12628 reviews 73736
Matsucoccus vexillorum 37815
Matsumuraiella radiopicta 13098*
Matteuccia SEE Pteretis
Matthiola SEE Mathiola
Matudacalamus n g 32811*
Maturometer 14061
Maublancancylistes n g 92381*
Mauginiella scaettae 390
Mauritius Agricultural Bank 14707 23019
Mauritius Chamber of Agriculture 15238
Mauritius Cyclone and Drought Insurance Board 49048
Mauritius Dept of Agriculture 58374
Mauritius Granary Dept 39833
Mauritius Sugar Industry Research Institute 75758
Mauritius Sugarcane Millers and Planters Central Arbitration and Control Board 7287
Mauritius Tobacco Board 66265
Maurodactylus orientalis 82569*
Mausolea n g 41438*
Maxillaria 34747
Mayacaceae 32806*
Mayetia 73600*
Mayetia (Metamayetia) n sgen 73600*
Mayetia (Promayetia) n sgen 73600*
Mayflies SEE Ephemeroptera
Maytenus boaria 59923
Mayweed SEE Matricaria
Mazut 62100*
Mazza V 45343*
Mazzard cherries 19320
anatomy and physiology 60264 68944 87536*
hybrids 25616*
pollen 16581
morphology 87299*
propagation 51966*
seeds 79355*
varieties 69759 43418* 87536*
virus diseases 68011
MCP SEE MCPA
MCPA 34957 35014 43710 43713 43825 51375 70055 89291 1922* 17708* 52318* 70085* 78213* 89293*
effects on plants 16770 16771 25083
MCPB 43710 43713 43742 43780 43825
MCPP 43775*
Mead 48590* 81974*
Meadow fescue SEE Festuca elatior
Meadows SEE Pastures and meadows
Meal SEE kinds of meal
Meal planning SEE UNDER Cookery
Mealybugs 5249 29111 64011 81818 29068*
Measles 20022
Meat
adulteration 6898 6955* 25581*
advertising 6918 48656 66017 93841
aging 84608* 84611* 93876*
analysis and composition 6909 6949 22583 22602 30503 31251 31257 48609 48626 48636

Item

Meat--Cont
analysis and composition--cont
75400 84206 93815 6966* 14347* 14368* 22581* 22606* 31238* 31240* 39907* 39913* 39932* 48614* 48618* 57247* 65994* 84608* 84609* 84624* 84731* 93810* 93811* 93813* 93821*
and disease 39966 54019 39971* 48623* 66041* 71846* 75444* 75448* 91097*
associations 6884 84555* 84574*
bacteria 7015 14415 39966 84616 84638 3179* 6894* 6897* 6910* 6961* 6963* 6966* 6972* 31261* 31279* 48613* 48623* 48625* 48718* 66036* 71846* 79753* 84617* 84711* 93804* 93871*
bibliographies 65974* 65975*
canned 14428 66066*
analysis and composition 31244 93808
bacteria 57248 31258* 39917* 84633*
France 48702*
hydrogen-ion concentration 31244
industry 57289*
regulation and inspection 84706
sterilization 84729*
chemistry 14354 14405 57299 84636 93803 48620* 75396* 74631* 84744*
reviews 14343
color 84636 6957* 84731* 93875*
coloring 57271*
conferences and congresses 5921 14334 65980* 84565* 84566*
consumer preferences 6871 6873 6914 6917 6918 22585 48649 65971 75415 84646 93825
consumption 6918 39938 75415 93826 93828
Georgia 14358 74438 75413
history 39935
Italy 57232* 66013* 75412*
Poland 66010* 84548*
Southern States 93846
containers 31301 84629*
contamination 6912 30503 57276 84678 6951* 6954* 6963* 6964* 31292* 32235* 36339* 36857* 39977* 66002* 66036* 84674* 84675* 84685* 84701* 84743* 93809* 93852* 93855* 93856*
cooked 6891 67143 76642
cookery 49692 58334
cooperatives 40999* 84655* 84663*
costs and returns 14403 58038 40678*
cured 39911 84644 93875*
curing 7002 7019 22631 22639 22642 40026 93803 39988* 48613* 48687* 66063* 66083*

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Item

Meat--Cont
cuts 7018 14390 14407 93813*
defects 84705 19462* 48681*
Denmark 84588
directories 39896
discoloration 22631
dried 84731* 84732* 94822*
enzymes 84705
extracts 22604 57302
fat 14354 48633 67143 93815 48609* 84623* 84624*
flavor and odor 6949 14339 14344 14350 14352 14385 22602 22604 31280 48670 48682 48683 48707*
freeze-drying 33991* 33995* 66074* 75476* 84735* 84758*
freezing 14425 14410* 22636* 31310* 48689* 48713* 75486*
frozen 14357 57291 14420* 14421*
bacteria 14345 6890*
chemistry 84631*
consumer preferences 6914
defrosted 6970*
grading and standardization 14372 14390
judging 75486*
keeping quality 48713*
marketing 48659 14410*
moisture 31301
Ohio 22585
packing 31301
quality 75461*
situation and outlook 84745
storage 66059* 75461*
grading and standardization 39967* 57263*
El Salvador 39893*
Europe 57281
Germany 48677* 84694*
New Zealand 93785
Norway 66048*
hydrogen-ion concentration 57311 84731*
industry 79930 90770 3225*
Australia 22569 39899
Bulgaria 65978*
Czechoslovakia 65972*
European Economic Community 31231*
France 22559* 65985* 84564*
Germany 14336* 84555* 84592* 84679*
Great Britain 65963
Hungary 57223* 65973 65974* 65975* 65980*
India 7004
Ireland 57220
Italy 57232*
New Zealand 6883
occupational diseases 79811
public relations 14370 39949 48658 75390*
regulation 65971
Republic of South Africa 22570
sanitation 57308* 84629*
USSR 48608 6876* 57146*
vertical integration 40016
irradiation 14415 22637 57299 75441 75471 75483 84722 7012* 31308*

Item

Meat--Cont
keeping quality 75442* 84716*
kosher 65991
legislation 6989 48676* 49054* 49055* 84696*
marketing 6917 6921 6945 22587 22591 22599 22600 39955 40016 48649 48654 48663 57254 66016 75427 75451 93835 93857 57305* 75433*
Argentina 22598*
Australia 6944
Europe 6938
Finland 84662*
France 22588* 39941* 39951*
Germany 48651* 75428*
Italy 84663*
legal aspects 22595*
New Zealand 93842
Poland 66023* 66027*
Southern States 93846
statistics 84653 75416* 84648*
Sweden 27498* 84664*
Uruguay 84646*
microorganisms 22578 84636 65999* 66002* 75444*
moisture 6891 39934 57240 65993 75397*
reviews 14343
molds 6975* 6995* 7013*
Netherlands 6879
nutritive value 84731*
oxidation 14400
packed 75451 6897* 84614* 84684*
packing 22620 84712 84714 93858 57305* 84716*
Hungary 66051* 66052* 75452*
Oregon 31278
packing industry 7017 22579 31309 40016 48595 48678 48710 57295 31314* 54054* 54655* 84721*
accounting 6992 6997 22627
Azores 40002*
bibliographies 66060
conferences and congresses 48722 66077
cooperatives 14408
directories 75493
Germany 31317*
Indiana 93847
Italy 40003*
Kansas 31311*
legislation 66079
Mexico 74387*
public relations 7003
sanitation 22578
statistics 93865
Uruguay 48684*
pest control 20869*
Poland 65965*
policies and programs
Argentina 57214*
Australia 22552
Germany 84563*
USSR 6887* 14326* 14328* 57215*
prices 6989 14403 48678
Argentina 22623*
France 84718*
Germany 14404* 22621*
Great Britain 75454
history 39935
Japan 31442*
Norway 31305*

Item

Meat--Cont
prices--cont
Oregon 66054
USSR 93859*
processed 7004 22638 31307 93815
color 31316* 84620* 84737* 84753*
processing 7015 7017 40026 84725 22633* 31316* 39999* 40013* 48717* 57288* 57305* 57307* 66061* 66064* 66068* 84741* 84743* 84753* 84746* 93871* 93875*
Australia 48701
Canada 57297
Czechoslovakia 66080*
equipment 57311 48620* 66058* 66089* 66090* 83942* 84736*
Germany 14365* 84549* 84737*
Hungary 65999* 66057* 66073*
legal aspects 40000*
Rumania 75479*
study and teaching 93869*
USSR 22632* 84733*
products 6876*
analysis and composition 48608 48614 48626 48630 48636 6900* 22576* 31264* 66001* 75408*
bacteria 31250* 31279* 84618* 93809*
canned 66066* 84699*
contamination 75443* 84693* 93809*
cured 66063* 66081*
Czechoslovakia 66080*
frozen 14421* 14420*
losses 84699*
manufacture 31289*
marketing 14365*
moisture 39916*
molds 6975*
packing 55535 84713 66050* 66051*
pests 55535* 64039*
prices 93859*
processing 48703* 84757*
regulation and inspection 31258* 31289*
Denmark 48675*
Germany 31295* 39974*
Hungary 66008* 75411*
USSR 6975*
sanitation 75443*
situation and outlook 84549*
tests 66008* 75411* 93814*
trade 40968
Poland 94767*
transportation 6940 6942
properties 39931 39934 75397* 75405*
proteins 22583 65995 39967* 57247* 66083* 67142* 84639* 84735*
quality 31251 31259 31287 48678 53960 57278 57297 65960 93813 53976* 66041* 75392* 75434* 79822* 84671*
reviews 14381*
refrigeration 3230 6993 7014 22630 6961* 6995* 7013* 22598* 48689* 93864* 93872*

Item

Meat--Cont
regulation and inspection 7017 14386 14396 22614 66045 84708 3188* 6957* 6965* 6972* 19586* 39964* 39977* 62345* 79827* 79849* 84617* 84640* 84689* 84707* 84711*
Colombia 13570*
Czechoslovakia 84690*
Denmark 84675*
developing areas 39971*
European Economic Community 84670*
France 27491 45391
Germany 14391* 31299* 39928* 39960* 39962* 48667* 48669* 48676* 54000* 57222* 57268* 57271* 75440* 75448* 84672* 84673* 74677* 84686* 84695* 84696* 84702* 84703* 90731*
East Germany 36306* 71846*
Great Britain 31288
history 57222* 84679*
Hungary 27450* 66000* 71733* 90601*
Ireland 3106
Italy 84601 6955* 84672*
Kenya 84683
Minnesota 57261
Netherlands 3179* 39972* 75435* 93854*
New York 93851
Republic of South Africa 19616
Rumania 75437* 93850*
Sudan 57262*
Switzerland 79813* 84691*
USSR 5992* 6951* 6956* 6966* 6967* 6968* 6970* 6973* 6975* 6978* 6979* 6981* 20869* 39976*
research
statistical methods 14347*
salting 6961*
sanitation 75451 22605* 31314* 31317* 65999*
Austria 36284*
developing areas 84704*
Germany 39959 36375* 48704* 57222* 84679*
Ireland 84697
Italy 93817*
Tropics 54053
USSR 6995* 7010* 7013*
situation and outlook 6872 6873 14327 22565 22567 31236 93828 93984 57226*
Australia 39884
Belgium 6935*
Canada 65968
Cuba 65981*
Finland 84662*
Germany 93802*
Hungary 75384*
Ireland 22567
Italy 57231*
New Zealand 93785
Poland 65966* 84548*
spoilage 7015 14353 93803 93875* 93876*
statistics 31321 48728 93892 93893 40029*
Brazil 40027*
Germany 93802*
Great Britain 83581
Norway 57317*
Spain 84769*
Sweden 48113*

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Item

Meat--Cont
statistics--cont
Turkey 54051*
USSR 14431*
sterilization 39993 48693* 57310* 84618* 93871*
storage 60059* 75473* 84731*
study and teaching 6884 14319 14320 14370 75413 66023*
taxation 49054* 49055* 49061* 75908*
tenderizing 6996 48715 75398
tests 6898 14339 14344 14350 14352 14353 14385 22579 39931 66006 84643 93822 6951* 6968* 48617* 66000* 75392* 75399* 84605* 84617* 84629* 84640* 93814* 93817*
trade 32413 39964* 85970*
Argentina 76509* 76518* 85970*
Brazil 40999*
Germany 48669* 54057* 57271* 84695*
Great Britain 76518*
New Zealand 15372 93785
transportation 6940 6942 39954 66015* 66018* 93836*
vitamins 93878
waste 13911* 22126* 22140* 22159*
weight and measurement 31278
SEE ALSO Slaughtering; and kinds of meat
Meat meal
analysis and composition 48127* 56815* 74925*
feed 12204 22160 4230* 11163* 45666* 54719* 62285* 63255* 72963* 79666* 79708* 83975* 90713*
microorganisms 83975* 8464** 90713*
proteins 72491 11163*
Mecas saturnina 73648
Mechanical stimulation
effects on plants 8718*
Mechanics SEE Farm shops; and SUBHEAD maintenance and repair UNDER Equipment, and names of equipment and vehicles
Mechanization 13114 23177 47287 73991 94854 14677* 66559* 76647* 82953*
Algeria 82940*
and labor SEE Labor, and mechanization
Angola 13115* 47279*
Argentina 82971 21542* 82966*
Asia 13161
Australia 92698
Austria 92726*
Belgium 92717*
British Guiana 29858
California 73947
conferences and congresses 92711
costs and returns 64795 83002 5708* 13144*
Argentina 49336*
Belgium 92717*
Germany 13133* 13135* 13162* 38618* 57728*
East Germany 64774* 92697*
Great Britain 47285 73998

Item

Mechanization--Cont
costs and returns--cont
Hungary 5713*
Iowa 21534 94503
Italy 73984* 93009*
Japan 47303*
Missouri 47292
Netherlands 64766*
Norway 5697* 13134* 38617* 47313*
Poland 29855* 73943* 74001*
Republic of South Africa 29868 82994
Switzerland 73989* 73990*
USSR 5711* 47297* 64787*
Czechoslovakia 29861* 73994* 82938* 82996*
Denmark 38626* 56072*
Europe 29854*
European Economic Community 64765*
Finland 57906*
France 21553* 66331*
Germany 13119* 13148* 29840* 29856* 38614* 38615* 38627* 47286* 47290* 56068* 73951* 73952* 73957* 73966*
East Germany 56062* 56066*
Great Britain 21566 73935
reviews 83003
history 64761* 73986* 82939* 82983*
Hungary 73932*
India 29826
Italy 21529 13140* 29834* 49063* 56069* 56089* 56096* 82976* 82989* 82993* 83007* 83008*
Japan 29850*
mountain areas 70862* 21545* 38625* 40527* 56076* 56247* 64775* 66803* 78881*
Netherlands 13160* 38607* 47277*
New Hebrides 56058
New Zealand 73934
Norway 56098*
Ohio 21906
Philippines 21556
Poland 64798*
policies and programs 5693
Germany
East Germany 82948* 92718*
USSR 13117* 21555* 21565*
Portugal 38621*
Republic of South Africa 29833 29871 29872 82942 82998 82999
research
statistical methods 92729*
Rumania 5688*
statistics 56064* 73996*
Sweden 29844* 82952*
Taiwan 82951
USSR 5683* 5689* 7595* 13128* 21531* 29847* 47302* 47314* 47315* 56081* 64763* 64790* 66671* 73985* 75925* 82950* 82958* 82969* 92694* 92724*
USSR bloc 47294*
SEE ALSO Automation; Equipment; and UNDER specific subjects
Mechnikov I I 37507*
Mecistocephalus 29320*
Mecistorhinus 5258

Item

Mecodium wrighti 8262
Meconia 5122*
Meconopsis 25764
Mecoprop 89291
Mecoptera 5626 13093 82862 73901*
Mecyclothorax 82247
Mecyna 47130*
Mecynotarsus elegans group 92417
Mecynotarsus suturalis 73630*
Mediastinum 62864*
Medic 560 43226 59226 59395 33330*
Medicago SEE Medic
Medicago cancellata 8829
Medicago littoralis SEE Harbinger medic
Medicago media 88689*
Medicago minima SEE Little medic
Medicago prostrata 50871
Medicago rhodopaea 68327
Medicago sativa SEE Alfalfa
Medicago tianschanica 24958* 60563* 69528*
Medicago tribuloides SEE Barrel medic
Medicinal plants SEE Drug plants
Medikus F C Ueber den Gynandrischen Situs der Staubfäden und Pistille einiger Pflanzen 59424
Mediolata mali 64009*
Mediterranean fruit fly SEE Ceratitis capitata
Medlar 59088
Medusahead SEE Elymus caput-medusae
Medusomyces gisevi 15671*
Meenoplidae 46996* 73763*
Meenoplus 73763*
Meerburg N 76834*
Meessia 47182
Meessia argentimaculella 13029
Megacanthaspis n g 82562
Megacentron n g 12874
Megachile 12966* 55913* 82583*
Megachile (Callochile) n sgen 55897
Megachile rotundata 12368
Megachilidae 5307 55211 82621 82648
Megacladosporium SEE Cladosporium
Megacyllene robiniae 20930 21157
Megaderini 82294
Megalomerium 73509
Megalonotus 21307 64528*
Megalonotus chiragra emarginatus 38307*
Megalonotus subtilissimus 38335*
Megaloptera 21491*
Megalopyge lanata 29073*
Megalothorax 5646*
Megamelus 38289*
Meganeflus n g 5014
Megapenthes 21116*
Megaphen SEE Chlorpromazine
Megaphragma mymaripenne 46569
Megapsyrassa n g 5014
Megarhinus towadensis 38281
Megaselia halterata 28991
Megastethodon 82534*
Megastigmus 81887
Megastigmus schimitscheki 92231*
Megastigmus spermotrophus 29152
Megathymidae 55974 55979 82707

Item

Megonyx n g 82382
Megophthalmidia 82391
Megoura 29542
Megoura viciae 21280* 55214*
Mehler reaction 87755
Mehlich test 70293*
Meier K I 8055*
Meigen J W Nouvelle Classification des Mouches a Deux Ailes 21164 21231 21249
Meioneta 82180 82135*
Meiosis
insects 5562 21191 33596 38186 55825 55856 73672 92448 92550
plants 8778 8847 16403 16404 16484 24671 33596 33793 42193 42311 50688 50740 50792 59497 59535 59542 68395 77442 87468 33726* 68221* 68492*
Meiracyllium 182
Melamine 90403 53627* 71503* 90347*
Melampodium 58715
Melampsora 280*
Melampsora allii-populina 67866*
Melampsora lini 33184 34329 41810 59081*
Melampsora pinitorqua 67839* 67854* 77185*
Melampsora pulcherrima 86845*
Melampsora ribesii-viminalis 33349*
Melampyrum lineare 52279
Melanagromyza 5116 5149 21237 55822
Melanagromyza eriolepidis 12901
Melanagromyza phaseoli 12503
Melanagromyza pubescens 92466
Melanargia russiae 82739*
Melanchroia 5507
Melanconium fuligineum 389
Melanderomyia 21204
Melandrium 33611 59704
Melandrium album 24381*
Melandrium elisabethae 77291
Melandryum SEE Melandrium
Melanichneumon 47084
Melanin 70361* 72478*
Melanism
cattle 19900*
insects 5137 5390 5455 5488 29684—29686 64367* 82746* 92582*
Melanocleptes SEE Cleptes (Melanocleptes)
Melanocoryphus 47022*
Melanogryllus n g 47208*
Melanolophia imitata 82702
Melanolophus 21132*
Melanophila 55722
Melanoplus bilituratus SEE Melanoplus sanguinipes
Melanoplus confusus 82811
Melanoplus differentialis 82829
Melanoplus differentialis differentialis 47214 73869
Melanoplus dodgei 56011
Melanoplus sanguinipes 5576 13057 55997 73880 82811 82842 82850
Melanosis 62866*
Melanospora damnosa 41781
Melanospora parasitica 64360*
Melanospora pinitorqua 68899*
Melanotus caudex 81733*
Melanotus chiricahuae 64347
Melanthrips helenae 5625
Melanthrips (Turkmenothrips) 5625

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Item

Melastiza scotica 32968
Melastoma malabathricum 34113
Melastomaceae 23960 32872 23961* 50017*
Melastomataceae SEE Melastomaceae
Melcha ornatipennis 12501
Melia azadirachta 42274
Melia excelsa 15761
Meliaceae 42274
Melianthaceae 23970*
Melica bulbosa 32777
Melica uniflora 24529*
Melichares daci 38049
Melicope 32862
Melicope mantellii 34272*
Melieria 73705
Meligethes 12319
Meligethes aeneus 12524 81732 38079* 73203*
Meligethes suppar 12806
Melilotic acid SEE o-Hydroxyhydrocinnamic acid
Melilotus SEE Sweetclover
Melilotus alba SEE White sweetclover
Melilotus officinalis SEE Yellow sweetclover
Melinaeini 55946
Melioidosis 53911*
Meliola 50129
Meliolaceae 86598
Meliolineae 50129
Meliponini 55915 4702* 55902*
Melison 36314*
Melissodes 47095
Melissodes (Callimelissodes) n sgen 47095
Melissodes leprieuri 73781
Melissodes robustior 55880
Melitaea 55990
Melitaea aurelia 13009 92626*
Melittin 12685*
Melittis 86508*
Melittomma insulare 4699
Mellicta aurelia 29639
Mellinus arvensis 82608*
Mellorine SEE Ice cream, vegetable fat
Melobesia zostericola 15838
Melobesioideae 15838
Melocactus ruestii 58721
Meloidae 46412
and disease 46412
East Africa 46847*
habits and behavior 5017
Japan 29372
larvae 5036
Southeast Asia 55717
taxonomy 92407 46850*
Turkey 46849*
USSR 64358*
Meloidodera floridensis 24474
Meloidogyne 623 624 50546 87127 8627* 68068* 68078* 77267* 87124* 87132*
control 59220
corn 68050*
cotton 41860 50548 68054
cucumbers 42046* 68053* 68080*
grasses 42080
Hibiscus 903
lima beans 42390
Nicotiana 33429
papayas 87125*
potatoes 50550
soybeans 50530
tobacco 33436
tomatoes 16183 33428 68080*
vegetables 8629
Meloidogyne arenaria 68085*
Meloidogyne coffeicola 29073* 50526*

Item

Meloidogyne hapla 620 33453 42086 50529 50561 59208 87134 607*
Meloidogyne incognita 600 33450 68067 77295 87122*
Meloidogyne incognita acrita 8623 16171 16180 16196 24451 33435 42069 59208 87134 33456* 77294* 87128*
Meloidogyne incognita incognita 50555 50556
Meloidogyne javanica 600 618 8643 33447 50529 68055 87135 68085* 87123*
Meloidogyne marioni 33432* 87112*
Melolontha 55522* 55732* 64360* 92404*
Melolontha hippocastani 46823*
Melolontha melolontha
anatomy and physiology 29375
Austria 46823*
control 12474* 63774* 73120*
diseases 38102* 63785*
habits and behavior 46823* 55718* 73623*
larvae 38102* 73120*
rearing and breeding 38119
Yugoslavia 4365*
Melolontha vulgaris SEE Melolontha melolontha
Melolonthidae SEE Scarabaeidae
Melolonthinae 29364 64355* 82244*
Melomastia 58780*
Melon aphid SEE Aphis gossypii
Melons
acreage and area 22451 39692
anatomy and physiology 50421* 68548*
breeding 69993*
costs and returns 34936* 43632*
culture 42464*
Algeria 34936*
France 43632* 89192*
Hungary 1878*
India 89188
Israel 25811*
Netherlands 10286*
New York 34924
Southwestern States 24449
disease resistance 69993*
diseases 86685
forcing 17576*
fruit set 60909*
fungus diseases 33263* 50421* 59072* 69993*
industry 48294* 75074*
marketing 22451 39692 84231
nutritional deficiencies 87529*
pest control 81735 81688* 92087*
pests 81771
pruning 60909*
seeds 60905* 87625*
soils 89188
storage 14181
varieties 34874 25811* 60877* 69945*
virus diseases 16158*
weed control 43814*
SEE ALSO kinds of melons
Melophagus ovinus 4121 37574 92004
Melosira nummuloides 51028

Item

Melprex 58987 33320* 39715* 67772*
Melusinidae SEE Simuliidae
Membracidae 38288 46993 64492 82558
Membrane filter test 93971 14607*
Memecylon 23961*
Memphis (Tenn) Wild Flower Society 67410
Menacanthus stramineus 55343
Menadione 45951 6645*
Menazon 56340
Mendel G J 86154 86235*
Menemerus schutzae 4914*
Menenches n g 82517
Meningioma 20018
Meningitis 20395 63038 28287*
Meningo-encephalitis 45795 80318 12306* 73158* 81121*
Menispermaceae 67440 9276*
Menopon 56028 73586
Menopon gallinae 81487
Menoponidae 73907
Menozzia 38379
Mentha
anatomy and physiology 68625*
culture 25994* 61022*
disease resistance 86832*
fungus diseases 67775 67886
genetics 16465
hybrids 7100
pests 73302 63984*
Mentha arvensis 17837 58491
Mentha arvensis piperascens 25973* 51461*
Mentha cardiaca 33209*
p-Mentha-1,8-dien-5-ol 31393*
p-Mentha-1,4-diene 7055
Mentha piperita
anatomy and physiology 9054 60132
biochemistry 1318 77768
culture 75603
fungus diseases 81759*
nematodes 16173
pest control 4686 55488
Mentha requieni 721*
Mentha spicata 4688 9054 31410
Mentha verticillata oil 31376*
Mentha viridis SEE Mentha spicata
Menthol 84829 51461*
Mentzer E von 64653*
Meoneura 5148
Mepachymerus 46930*
Mephenesin 27963*
Meprobamate 11890 90607*
Mer G G 8015
Meraporus 38368
Mercapto acetic acid 24299
Mercapto compounds
in plants 1139 9269 42487 60011 60244 68980 42040*
Mercapto group
in flour 75257*
in meat 39911
in milk 39275* 47926*
in plants 59376 77694*
in seeds 69054
beta-Mercaptoethylamine SEE 2-Aminoethanethiol
Mercaptophos SEE Demeton
Merceya 24044
Merck and Co 27348
Mercurialis annua 73633
Mercury
effects on plants 9106
fungicides 8479 8872 9106 60196 67924 77165
in fiber research 6602*

Item

Mercury--Cont
in poultry nutrition 28234
residues 50318 60196
Mercury chlorides 24610 50180 54823 62097 77234 50297*
Mercury compounds 67665*
chemistry 4381 89503* 91981*
effects on plants 522 9026 51318 16547*
effects on seeds 58859*
fungicides 36054 41835 41894 67836 469* 2847* 50356*
in fats and oils analysis 7058*
in wood preservation 44976* 53568* 53569*
insecticides 4398*
Mercury salts 27887*
Merfazin 50258*
Merfen 28469*
Meristacarus 29291
Meristotheca 32935
Mermithidae 46761*
Merodon equestris SEE Lampetia equestris
Meromyza 12870* 12871* 92436*
Merremia emarginata 59602
Merremia tuberosa 24006
Metadira SEE Leiradira (Metadira)
Merthiolate SEE Thimerosal
Merulius lacrymans 2845 10973 19189 2862* 45132*
Merulius tremellosus 16387
Mervia n g 21374*
Mervia kuznetzovi 21374*
Mesacatops n g 82334*
Mescaline 55660
Mesambryanthemaceae 58656*
Mesembryanthemum 67418 58643*
culture 34709 69851 78117 78127 1779*
taxonomy 91 32738 86456*
varieties 34786 78117
Mesembryanthemum lesliei 69815
Mesidia annulipes 12957
Mesites tardii 73647
Mesocestoides lineatus 80546
Mesocoelopus collaris 82343
Mesodryinus 55891
Mesoleius ribesii 92536*
Mesoleius tenthredinis 29138
Mesoleptobasis 21506*
Mesoleptogaster 12884*
Mesomyia 38204
Mesopinidium 8252
Mesopolobus 5274
Mesosa 46817* 82225* 92347*
Mesostenini 38417
Mesostenus 38417 38360*
Mesostigmata 4941 12764 12765 12789 21073 92325 64286* 73556*
Mesostruma browni 73790
Mesothelioma 80540
Mespilus 24619*
Mesquite SEE Prosopis
Mesta fiber SEE Kenaf
Mestosoma 4936
Mesua ferrea 45105 75506
Metabelba montana 82150
Metabisulfites SEE Pyrosulfites
Metabolism SEE UNDER Bombyx mori; Insects; Livestock and names of animals; Plants; and SUBHEAD anatomy and physiology UNDER names of insects and plants

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Item

Metabolism stalls 3499
81043 81082
Metabolites 958 12326
20565 36936 50422
51483 53954 77153
81719 60093* 60171*
75590* 91345*
SEE ALSO Antimetabolites
Metacanthus 82538
Metaceraspis n g 82262*
Metaeuchromius n g 12991
Metagenesis 82091*
Metahygrobiella n g 24053
Metaldehyde 331 15879*
24135*
plant pest control 29044
slug control 334
toxicity 11789 72351
Metallic salts SEE Salts
Metallichroma 92384*
Metallurgy 13153
Metallyra 82225* 92384*
Metals 16957 51022 56355
60198 48069* 90348*
SEE ALSO kinds of metals
Metamayetia SEE Mayetia (Metamayetia)
Metamidium 20645 80291
Metamidium moranylate 27849*
Metaphorodon n g 29567
Metaphya 29798
Metaphycus 29582
Metaplexis japonica 67522
Metarctia 92596*
Metarrhizium anisopliae 4883
37474 37673
Metasecodes 73779
Metaseiulus n g 4941
Metasequoia 79311 50702*
58780*
Metasequoia glyptostroboides
59444 8743* 33658*
34284*
Metasia 47130*
Metastrongylosis SEE Lungworms
Metastrongylus 4260 20492
55089 55090
Metasystox SEE Methyl demeton
Metatartaric acid 56587*
Metatetranychus SEE Panonychus
Metcalfa pruinosa 29522
Meteorites 51241*
Meteorology 26009 58450
58457 8074* 43886*
94937*
Australia 6065 39098
83572
bibliographies 41221
41222 76780*
China 8076
Colorado 41220
equipment 76781* 76782*
India 32578 94940
Japan 23824*
Massachusetts 8077
8078— 8080 15590
15591 32583 49862
49865 49866 58454
58455 67269 67270
76776
Rumania 58452*
USSR 15592*
SEE ALSO Climate and weather
Meteorus clinophthalmicus 47114
Methacrylic acid 37437*
Metham-sodium 41643
Methandrostenolone 11901
Methane 89689 44332*
65040* 70929*
effects on bacteria 20109*
effects on plants 86704*
effects on soils 35165*
Hungary 21759*
in rumen 62494*

Item

Methane--Cont
India 21760
manufacture 5905* 21753*
21757* 83295*
conferences and congresses 70522*
properties 10226*
Methane sulfofluoride 81850*
Methane sulfonic acid 68438*
Methanol SEE Methyl alcohol
Methemoglobinemia 11240
55069 37344* 62337*
Methenamine 54793* 62314*
72410*
Methenamine mandelate 27858
Methenamine salicylate 63034*
Methiini 82294
Methimazole 3838 20173
36518 12017*
Methionine 87307*
effects on plants 8923
in cattle nutrition 54144
62656
in dairy products 6246*
in insect nutrition 46842
in meat 57299
in mouse nutrition 54667*
in plants 9248 69213
87542 88201 25037*
42806*
in poultry nutrition 28194
54721 72519 80768
91399 91420 28204*
in poultry physiology 37011
in swine nutrition 72936
63613*
in turkey nutrition 72495
72572
DL-Methionine 73680
L-Methionine-methyl 21445
Methiotriazamine 22763
Methitural 36622* 37362*
Methods in Enzymology 51463
Methohexital 3660
Methoxy group 36203
4-Methoxy paracotoin 9303*
Methoxychlor 8549
determination 28809
cattle pest control 12388
forest pest control 4767
herbicide 89263*
residues 12388 29132*
storage pest control 12605
29132*
toxicity 55345*
2-(beta-Methoxyethyl)-pyridine SEE Methyridine
Methoxyl 37147
Methoxyl groups 22327*
4-(4-Methoxynaphthalene)-(1)-4-oxobutyric acid 54942*
Methyl alcohol 36048 39854
43037 57468 2945*
19282* 30401* 65713*
65720*
Methyl bromide
ant control 46311*
application 4722
concentration 4733 37791
determination 55526 55527
81843
effects on corn 4737
fumigant 6754 8550
14225 14243 26612
73348 46617* 81413*
hazards and safeguards 46617*
herbicide 17704
nematocide 17704
residues 14225 14243
storage pest control 4722
37791 81838 46626*
55544* 92208*
textile pest control 81853
tree pest control 73366
wood pest control 55583
Methyl demeton
aphid control 91979* 92124*

Item

Methyl demeton--Cont
cotton pest control 20774*
81619*
fruit pest control 12584*
20883*
residues 84199 84203*
Methyl-3, dihydro-3-4,quinazolone-4 28010*
Methyl-3-dimethoxyphosphinyloxy crotonate SEE Phosdrin
2-Methyl-4,6-dinitrophenol SEE Dinitrocresol
Methyl esters 7115
Methyl eugenol 75533
Methyl glucoside 7086
beta-Methyl-D-glucoside 51526
4-O-Methyl-D-glucuronic acid 19257
Methyl 3-indoleacetate 25010
Methyl isothiocyanate 70878
26076* 42075*
Methyl linoleate 22639
84811
trans-trans Methyl linoleate hydroperoxide 22653
Methyl mercaptan 57299
1-Methyl-2-mercaptoimidazole SEE Methimazole
Methyl mercaptophos SEE Methyl demeton
Methyl methacrylate SEE Methacrylic acid
s-Methyl methionine sulfonium iodide 12048 80946
Methyl oleate 31331 31363
84856*
Methyl-p-oxybenzoate 39157*
Methyl parathion 4449 29028
81630 81719 55165*
Methyl phosphate 43037
Methyl red 34249 34335
Methyl sulfate SEE Dimethyl sulfate
Methyl testosterone 3961
6-Methylaminopurine 68879
2-Methylbenzimidazole 42729
Methylcellulose 34933
48813
3-Methylcholanthrene 3801
Methylene blue 6213 47913
50521 72227 83776
90700 22863* 70276*
78376* 78377* 89519*
Methyleneaminoacetonitrile 54742*
2,2'-Methylenebis (3,4,6-trichlorophenol) 19794 37245
54286 63039 90759
12123* 56786* 63500*
alpha-(Methylenecyclopropyl) glycine 51484
γ-Methyleneglutamic acid 77829*
Methylisothiocyanate 603*
alpha-Methylmalic acid 83630*
83631*
Methylolmelamine 6460
6481
2-(1-Methylpropyl)4,6-dinitrophenyl $\beta\beta$-dimethacrylate 86926
1-Methylpyrrolysidin 88098*
Methylthiouracil 71731*
90890*
O-Methylthreonine 33819
42614
Methyridine 36345 45984
46136 54937 81154
90693 91188 91550
20403* 46138*
Meticortelone SEE Prednisolone
Meticorten SEE Prednisone
Metisotoma 38585
Metommatius SEE Ommatius (Metommatius)
Metopeurum 29533
Metophthalmus 82271

Item

Metopia 38227
Metopolophium 29533
Metoponia rubriceps SEE Altermetoponia rubriceps
Metoposcopus n g 82602
Metrazole 27868*
Metric system 56841
Metriocnemus 12874
Metrioptera roeseli diluta 5569
Metritis
cats 36791 91194
36795*
cattle 80433
dogs 54519 91199 54553*
diagnosis 27971* 28039*
28056* 45771*
treatment 27985*
horses 3779* 36917*
swine 28695*
Metsapuiden Rodunjalostussaatio 53401*
Metzgeria 67541
Metzgeria fruticulosa 32898*
Metzgeria pubescens 203*
Mevalonic acid 14062 34298
34280*
Mexican-American Reunion for the Control of Plant Pests 86601*
Mexican bean beetle SEE Epilachna varivestis
Mexicans in the U S 7361
23071 31768 49092
66461 94244
Mexico (City) Instituto para el Mejoramiento de la Producción de Azúcar Serv de Extensión Agrícola 7781*
Mexico Productora Nacional de Semillas 22801*
Mexico Secretaria de Agricultura y Ganaderia 67155
Meyn A 86157* 86168* 86190*
MGK-5026 92013*
MH 30 56217
Miaena 46817*
Mica 70246
Mice 91351*
abnormalities 28138*
36947* 63193* 80686*
as pests 44867 53438*
France 33139*
Germany 24159* 61982*
Hungary 50204*
Maine 2694
Northeastern States 35778
Sweden 41636*
USSR 50218
breeding
hybridization 36927
54663 80672*
inbreeding 28132
91337 91347
care 28159 45867
color 3795 3796
control 15905 30288
31181 57182 48510
57183 58848 37906*
Austria 41694*
biological 50218
California 77052
Canada 33042
Connecticut 8365
8381
Finland 41665*
Germany 8366* 33048*
64114*
Great Britain 32492
Hungary 24147* 50204*
Italy 15885*
Norway 58903*
Switzerland 15877*
Virginia 15938
estrus 11856
feed relationships 45855
81235

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Item

Mice--Cont
feeding and nutrition 36926 36948 54675 72435 54667*
fertility 80672*
genetics 3795 3796 20098 20100—20102 54664 80671 36947* 45848* 80686*
germ-free 28150
growth 20113 36948* 54667* 72440*
infectious diseases 36956 80692*
insect food 55925 63847*
lactation 80678
losses 36927
metabolism 45855 54925
ovulation 54675
pests 4952 12762 37590 46408 81455 82877 82880 12399* 63847* 73580* 81566*
poisoning 72450*
pregnancy 80678 72440*
selection 28132 36926 54664 80671 80673
weight and measurement 36926 45855
Michelia champaca 795
Michelia compressa 43051*
Michigan Academy of Science Arts and Letters 15504 41120 76666
Michigan Association of Farmer Cooperatives 76488
Michigan Forestry and Park Association 2785 61689
Michigan State Grange directories 94714 40895
Michigan State University of Agriculture and Applied Sciences 15053 80360 82703
Michurin I V 16471 15564* 43438* 60627* 87409* 87789*
Miconia 32872
Micralymma caucasicum 73646
Micrambe 92353
Micrantereus 21132*
Micrarctia 38490*
Micrargus 82180
Micrargus kaestneri 82204*
Micrasterias 214 50713
Micrasterias rotata 8720* 50717* 87262*
Micrathena 38016
Micrelytra fossularum 46998*
Micrisophylla n g 41500
Microanalysis 5935 1314 30134 39290 70296 93030 16903* 31354* 38890*
Microangiopathy 37364
Microascus 15852
Microbiology 9234 23759 23840 26114 32488 41080 41103 47877 47918 56585 58358 67148 67149 74910 76650 83527 86098 22182* 33108* 56878* 58357* 70368* 74434* 75217* 76800* 84759*
Canada 94961*
conferences and congresses 65338 94865
Great Britain 67156* 94953*
history 8066 58370
Japan 6037
reviews 23710
study and teaching 49761* 86129* 90018*
Microbiota decussata 60833*
Microborus 64396
Microcephala n g 15782*

Item

Microcepritermes n g 73904
Microcerotermes edentatus 82916
Microclimate 699 24497 33566 53471 59321 79396 87502 16225* 42095* 49869* 59247* 68199*
barns 5847*
cotton 17128
field crops 59298 51340* 60457* 68723*
forests 666 50584 33546 35719 16268* 61840* 79406* 90277*
grain 2334 50620
insects 38422 55995 82321
reviews 37955
orchards 9994 42093 33474* 68157* 89792* 92169*
pastures and meadows 50572
rice 1281
soil 70425 70211*
sugarcane 24501
tobacco 68181*
vegetables 69982
wheat 51620*
Microclusiaria SEE Clusiodes (Microclusiaria)
Micrococca mercuralis 50058
Micrococcaceae 30534
Micrococcus 13870 54405 74699* 84633* 93299*
Micrococcus bodenheimeri 55849
Microcoleus erectiusculus 58764*
Microcoleus vaginatus 9156
Microconops 5074
Microcopris SEE Copris (Microcopris)
Microcreagris 82126
Microcricotopus balticus 38219*
Microctonus 82279*
Microctonus aethiops 12485 38390
Microctonus invictus 5310
Microctonus pachylobii 5310
Microdesmis 15767*
Microdiplodia 58780* 58781*
Microdiprion pallipes 12637*
Microdispodides 4934*
Microdon 55818
Microgaster fischeri 21340*
Microgaster gelechiae 73834
Microgaster scotica 21340*
Microgomphus 21500
Micrography 537 752 5554 86534
Microlanguria 21155*
Microlarinus 20580
Microlejeunea 58745
Microlepia 52033
Microlepia speluncae 41497*
Microlepidoptera
anatomy and physiology 73810 82675*
as pests 73810 73376*
Caucasus 55918*
China 37723*
ecology 92577*
food and host plants 5521 64596 82675* 92617*
Germany 82724*
Great Britain 5445 5446 13010 13029 29675 64640
Guatemala 92569* 92617*
Iran 47130*
Ireland 5354
Japan 64596
Neotropical Region 82688
parasites 82675* 82783* 92540*

Item

Microlepidoptera--Cont
Solomon Islands 21366
Sweden 38428* 92572*
taxonomy 64596 92584 82675* 92569* 92617*
USSR 55918*
Microlepidozia 41500
Microleptus vaginatus 9157
Microleroides n g 92347*
Microlestes 82304*
Microlicia 86428*
Microloma 32782*
Microlycus 47072
Micromalium SEE Micralymma
Micromanipulator 76826*
Micromerus 46850*
Micrometry 82891
Micromidia 29798
Micromonospora acetoformici 47261*
Micromonospora vulgaris 68208*
Micromphale 41542
Micromyces zygogonii 15862*
Micromycetes 2143* 89553* 89555*
Micronaire 75021
Micronecta anatolica 82576
Micronecta anatolica seistanica 82576
Micronecta wui 82575
Micronecta wui alkani 82575
Microorganisms 16258 26114 51410 94864 76826* 87207*
anatomy and physiology 82107
conferences and congresses 67164
cultures 65338
enzymes 21903
pathogenic
to insects 64154 64227 37713* 63770* 81365*
protein synthesis 21790*
transmission 4527
SEE ALSO names of organisms; and UNDER specific subjects
Micropelta n g 55764*
Micropeltaceae 32940*
Microphotography 8735
Micropolyspora n g 281
Micropsyrassa n g 5014
Micropterna testacea 82858* 82859*
Micropterygidae 92699*
Micropteryx 38466 38468
Microradioautography SEE X-rays
Microscopy 66188 39447* 65559* 74946*
electron 58368 66188 6223* 14487* 48873*
in animal research 3563 19569 19604 28671 37012 54410 62492 63081 71749 11267* 11268* 11341* 53955* 54574* 62339* 63384* 80538* 81077*
in entomological research 5006 21446 37978 38587 46711 55627 73869 73876 12725* 47029* 55606*
in microbiology 37093 78406 36233*
in plant research 15 767 847 8577 8736 16300 16305 16326 24576 24610 24615 24628 24666 33599 33687 42189 42258 50681 50696 50767 50830 59655 67988 68025 86325

Item

Microscopy--Cont
electron--cont
in plant research--cont 8720* 8727* 16032* 16333* 16406* 25101* 25125* 33649* 33666* 33713* 41976* 41977* 42218* 42560* 50505* 50745* 50827* 59432* 59446* 68208* 68212* 68251* 68252* 68406* 68410* 87256* 87262* 87263*
in pulp and paper research 27116 62159* 79542*
in virus research 3653 20420 38242 54798 55420 80296 3150* 24439* 55381* 67987* 87076*
in wood research 36133 79600 11108* 19342* 71573*
fluorescent 1118
in animal research 27213* 27835* 36279* 37269* 63021*
in dairy research 39260* 93305*
in entomological research 73571*
in feed research 48153*
in fiber research 30854*
in plant research 77740 16032* 24186* 24576* 25101* 42985*
in soil research 61254*
bibliographies 2124
in wood research 27163*
in animal research 3196 3906 63117 3202* 11312* 45822* 62933*
reviews 36214*
in dairy research 13736
in entomological research 73869 82891 91989 20553* 37435* 56044* 63707* 82161*
in feed research 6447 30729 6439*
in fertilizer research 26620
in fiber research 30878 6591* 13926* 13991* 30885*
in food research 5930* 75104*
in plant research 15900 16300 50690 50756 50764 67340 77380 86308 44* 8708* 8720* 8727* 8733* 59432* 59557* 68371* 87184* 87262*
in plywood research 90396
in pulp and paper research bibliographies 79540
in rubber research 93999
in soil research 2137*
in starch research 48586
in wood research 11096 79560 19162* 71588*
interference 11323*
phase contrast 19441* 72086*
Microserangium n g 29386 29387
Microsorium 58737*
Microsorium membraniceum 16364
Microsorium punctatum 16364
Microspectrophotometry SEE Spectrophotometry
Microsphaera 32983 260* 32986*
Microsphaera abbreviata 67797*
Microsphaera alphitoides 41804*
Microsphaera menispermi 8301*

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Item

Microsphaera silvatica 8519
Microsporidia 5046 5118 21416 46975 46978 47198 81525 29787*
Microsportella n g 229
Microsporum canis 3706 27984
Microsporum nanum 33958*
Microstroma juglandis 77194
Microthelyphonida 4948 21070*
Microthyriella 32941*
Microtomy 37437* 63707* 71588*
Microtyphlus 21100*
Microvelia 82538
Microwaves SEE Ultrashort waves
Microxyphiomyces n g 41535*
Micrutalis malleifera 81709 82558
Micryphantidae 64292
Mid-States Terminals 31134
Middlebrook-Dubos reaction 3598* 80263*
Midges SEE Chironomidae
Midgut SEE Digestive system, insects
Midland S D Cooperative Marketing Association 74475
Midwest Regional Member Relations Conference 40928
Miel Carlotta 12712
Miescher's tubules 75443*
Migration SEE Land, settlement and colonization; UNDER Insects; Population; and SUBHEAD migratory UNDER Apiculture; Labor
Migratory grasshopper SEE Melanoplus sanguinipes
Miholic S 15553*
Mikania micrantha 60937
Mikania scandens 63229
Mikaniopsis 8190
Mikiola fagi 46947 82373
Milan Associazione Granaria 48543*
Milan Stazione Sperimentale del Legno 53110*
Milchwirtschaftsfond (Austria) 14948*
Mildew
  apples 67873 67874
  grapes 33313
  SEE ALSO kinds of mildews and names of causal organisms
Miliusa wightiana 805
Milk 90651 39256* 47907* 90905*
  acids 23661* 72029* 72848*
  adulteration 13756 13797 47935 56713 56715 83748 83852 6243* 74749* 83805* 93328*
  advertising 13776 74798 83823 93340 39304* 47964* 47969* 83837*
  analysis and composition 3481 6200 6202 6214 6217 6247 11393 11482 11525 11728 13719 13722 13758 13766 22027 22031 27736 30503 30509 31256 36722 39265 39290 45615 45724 45921 47932 47936 54363 54367 56629 56643 56660 56661 62379 65390 65394 65395 65401 74701 74706 74707 74711 74715 74743 74754 74755 80506 83739 83760 83763 83768 83770 83778 83809 83810 93308

Item

Milk--Cont
  analysis and composition--cont
93310 93317 93327 93330 3377* 6199* 6201* 6221* 6241* 6242* 6285* 6317* 11438* 12209* 13754* 13760* 13762* 13765* 19780* 27788* 27822* 30507* 30512* 30518* 30525* 36660* 39266* 39271* 39272* 39274* 39337* 47910* 47926* 54132* 54467* 54493* 56630* 56637* 56664* 56790* 62702* 62954* 62974* 65381* 65421* 72001* 72031* 72057* 72220* 74700* 74712* 74722* 74742* 74749* 74751* 74821* 80138* 80481* 80482* 80492* 83747* 83750* 83783* 83786* 83805* 83917* 90870* 91147* 93295* 93305* 93316* 93328*
  reviews 36596* 62780*
  and disease 3502 3533 39328 47936 47992 48006 54019 56433 22067* 48007* 62704*
  reviews 62780*
  bacteria 3533 6225 6231 6238 6386 13726 13747 13872 22096 30500 30534 36702 39291 39293 48006 65396 65407 74708 74732 80280 83741 83746 83775 83914 91081 93312 93425 3473* 6203* 6232* 6233* 11640* 13745* 13750* 13759* 22028* 22032* 22036* 22067* 22102* 30519* 30520* 30526* 30537* 30578* 30580* 30634* 39260* 39281* 45493* 47928* 48007* 48056* 56628* 56631* 56651* 56652* 62900* 65393* 65499* 74693* 74721* 74730* 74744* 74883* 80438* 83023* 83787* 83790* 83796* 83800* 83808* 83833* 83848* 90948* 91033* 91107* 93305* 93809*
  bottled 47914 74809
  bottling 6255 13820 74838 74839 6330* 30617* 39347* 48022* 93380*
  equipment 39342 39345 6331*
  bulk handling 6225 6356 13806 13843 22084 22089 22101 30532 30653 39358 47977 48040 48051 48076 48096 65472 74822 74857 74868 74885 83938 93296 93389 93419 22113* 22116* 30087* 30493* 30623* 30647* 39252* 65510* 65535*
  costs 30569* 30570* 39321* 39322*
  equipment 74138 74371 39403*
  study and teaching 39396 74851
  canned 56767 36555* 93373*
  care and handling 13807 30630 56713 92741 93357 62964* 93255*

Item

Milk--Cont
  care and handling--cont
  equipment 39406 65547 13182* 38650* 48031*
  certified 30576 93365 13750* 30601* 48007* 48011* 83787* 83864* 93307*
  chemistry 6239 6253 6364 39259 39267 39387 83759 90994 93321 13753* 13869* 56626* 56635* 56750* 65404* 74687* 74722* 74756* 83917* 93399*
  reviews 47937
  chocolate 13844
  clarification 93368*
  coagulation 13853 48081 13834* 39362* 39366* 48082* 74882* 83806* 83807*
  collecting 13786*
  Austria 30572*
  Brazil 22052* 56684*
  costs 30569* 30570* 39321* 39322*
  France 93338*
  Germany 65417* 74781*
  color 13733* 13734*
  concentrated 6361 39387 48083 48102 56590 56767 83932
  analysis and composition 30535*
  chemistry 22107 74733
  consumer preferences 56672
  equipment 65416
  keeping quality 56763
  marketing 47962 56692 56729 65447
  prices 56729
  statistics 30688
  storage 22107
  transportation 56799
  concentration 56762 56763 56765 56799 56801
  condensed and evaporated 6324* 39386*
  analysis and composition 22034* 30515* 30524*
  associations 65506
  chemistry 6240 39262* 65389*
  manufacture 56744* 83913*
  marketing 22047*
  microorganisms 56667* 65383*
  quality 83895*
  spoilage 13796*
  statistics 30688
  consumer preferences 13806 93374 30543*
  consumption 22083 39192 39297 39298 39300 47951 47955 47959 56671 74762 83817 93334 93335
  Brazil 22040* 22041* 74761*
  Canada 13770*
  France 93332*
  Georgia 74438
  Germany 30689*
  India 30473
  Italy 65109*
  Kentucky 76621
  Maine 30541
  Mississippi 74757
  Netherlands 13771* 65429* 83819*
  New Jersey 30544 47960
  New York 30544 47960
  Norway 6258*
  Pennsylvania 22055

Item

Milk--Cont
  consumption--cont
  Switzerland 30542* 47957*
  Tennessee 6259
  containers 6336 6337 13821 13830 22075 39340 39358 65489 74834 74836 74837 74840 74841 74843 83868 83874 83876 93377 6330* 13822* 30470* 39343* 39344* 56281* 56722* 56723* 83870* 83875* 93376* 93380*
  Great Britain 13826
  Netherlands 6333* 6334*
  sanitation 5788 48015 65482 13827* 48021* 48109* 56806* 83031*
  contamination 3490 4472 6290 6294— 6296 6303 6313 6322 6323 12388 12424 13767 13815 22027 22058 27612 27863 27864 30503 30585 30604 30605 31256 39265 39328 44064 46380 47914 47991 47997 48000 56710 56711 56719 57276 65423 74830 74831 80239 80540 83843 83850 93367 6222* 6232* 6233* 6304* 6310* 6331* 19796* 30518* 30579* 30598* 38978* 39271* 47978* 47993* 55256* 56717* 62922* 74828* 83842* 83855* 93809*
  bibliographies 93359
  Great Britain 47990
  New Zealand 73206
  Northern Ireland 83776
  Poland 91161*
  Vermont 93353
  Wisconsin 63822
  cookery 7932 23663 23680 58350
  cooling 6207 93296 39390* 48057* 74878*
  Argentina 56791*
  Belgium 74858*
  conferences and congresses 74854*
  costs 76253*
  equipment 5787 22084 29959 48085 74371 74871 83938 92876 21639* 39403* 47443* 65540* 74156* 92878* 92882*
  France 74849*
  Germany 36762*
  costs and returns 74889
  Congo 7654*
  Germany 49335* 76253*
  Great Britain 15090 40334 40655 40671 58048
  India 15075
  Italy 15097* 91149*
  Lebanon 40693
  Malagasy Republic 85488*
  Minnesota 67707
  Netherlands 85667* 94529*
  New York 85631 23345*
  New Zealand 40689 76273
  Northern Ireland 85653
  Pennsylvania 58002
  Scotland 40679 85647
  Surinam 57907*
  Sweden 94477*

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Item

Milk--Cont
costs and returns--cont
Switzerland 30619*
USSR 7594* 23302* 31969* 40646* 58007* 66614*
Yugoslavia 94496*
decontamination 30652 39363 39384 83893
defects 6283 11545 22068 39259 47982 56707 56708 62967 74820 74856 93362 93363 6396* 19827* 30602* 56667* 65389* 65463* 65470* 65473* 65474* 65475* 83847* 83861* 93361* 93370*
delivery 13780 30541 47965 56698 74777 74788 74804 30542*
dried 37779 93402 6394* 30632*
analysis and composition 13720 22020 39285 13752* 22034* 30535* 65399* 74737* 83784* 93319*
bacteria 65422* 93315*
Canada 39386*
chemistry 6250
containers 48017*
fat 22030* 47909*
feed 3061 93402 71995* 82020*
Finland 48063
flavor and odor 6250 13720 22020
Germany 83929* 83930*
hydrogen-ion concentration 56642
keeping quality 6250 13818 48030 48012*
marketing 65495 22047* 56678*
moisture 83884* 93319*
Netherlands 74859* 83885*
packing 13818 30685 93417 30608* 83784* 83785*
pest control 64059
properties 13736 48055 13873* 65424*
quality 48012* 65464*
reconstituted 13861 13867 22110 56754* 65464* 93320*
statistics 65495
storage 13720 30685 93417
tests 83799 65422* 83785* 93320*
USSR 56804*
utilization 65432 74765 83820 74760*
drying 39357 48030 48055 65494 93417 13838* 22114* 65534* 83881* 83884*
equipment 56788 22112*
effects on plant disease 37670 59113 8591*
enzymes 3446 22019 22021 22031 39257 39267 47931 47950 48052 74717 80511 83743 93326 6257* 39381* 65405* 83811*
fat 3283 3629 6200 11456 11470 11493 11514 11710 11715 11735 13751 19677 27925 39307 39334 45428 45525 62926 72285 74706 83781 91173 27526* 27532* 27546* 27558* 27598* 27919* 30521* 36414* 45453* 45492* 45614*

Item

Milk--Cont
fat--cont
47979* 54090* 54133* 54138* 54422* 56670* 62580* 62583* 62624* 62627* 62953* 70403* 71899* 74736* 80070* 80097* 80154* 80176* 90819* 90828* 90833*
acids 54345 75402*
adulteration 65419
analysis and composition 6197 6251 13735 13757 22025 74710 83745 3367* 65400* 72029*
chemistry 6207 6212 39267 75666* 83742*
consumption 56694 74764
determination 6229 6255 39289 54094 65423 65428 93296 93330 13723* 13746* 22018* 30513* 30514* 39282* 45439* 45441* 45455* 56658* 56663* 74688* 74748* 83783*
equipment 39280*
flavor and odor 65477
France 13805*
Germany 30505*
lipolysis 22025
Lithuania 11466*
losses 6388
oxidation 65477 30501* 75666*
prices 65493
properties 56645* 62673*
Sweden 94477*
tests 65419
USSR 11424* 27545* 72200* 90808*
feed 3380 27632 27641 36682 54231 54705 62687 72061 72067 90931 11473* 19708* 19716* 20522* 27608* 27657* 36521* 36948* 54168* 54184* 54185* 54223* 62703* 62709* 71981* 71993* 71994* 72019* 72062* 74011* 80144* 80145* 80205*
fermented 6344 6374 6375 6392 22035 48110 65502 13813* 39337* 39354* 56617* 56794* 74869*
filled 83889*
flavor and odor 6217 6289 6364 11545 13767 13804 13806 13807 13861 22060 30532 39339 47982 47994 47995 48013 48053 56707 56708 62967 74820 74822 74856 83015 83810 83854 93357 93363 6396* 27660* 30573* 65463* 65473* 65475* 93361*
reviews 39330
flavoring 6382 48032 21986* 22097* 56610*
for processing 15024 56720 93373*
fortified 32484 19748* 19773*
France 56594*
freezing point 6248 13721 13756 47935 47943 56630*
frozen 13871 56759 74741
grading and standardization 6320 13788 13794 39334 39338 56701 74810 83739 93375 47979*

Item

Milk--Cont
grading and standardization--cont
California 56712
Denmark 6297*
France 13805* 30578*
Germany 30513* 30593* 65480*
India 83852
Ireland 48002
Italy 83867*
Michigan 22079
Netherlands 6287*
USSR 93368*
Wisconsin 56720
Yugoslavia 83848*
homogenization 6363 56803 22095* 56750* 56756*
equipment 39355 48047 65516
homogenized 93404 13784* 19748* 30671*
hydrogen-ion concentration 6239 6240 13718
in semen dilution 62602 80030 27518* 28410* 71959* 90848*
irradiation 48052 48054 56790*
Italy 6199*
judging 47982 39327* 39333*
keeping quality 47999 65542 6285* 13800* 30529* 30580* 30586* 30596* 74156* 74693* 74744* 74814* 83787* 83841*
labeling 93374 74824*
marketing 6268 6271 6274 6279 13778 13787 13830 39303 39356 47967 47970 56679 56721 56729 56730 56731 56743 65449 74762 74768 74772 74773 74784 74846 83746 93344 93350
Australia 56688
Brazil 22052*
California 56685
Canada 47961 83826*
Channel Islands 13781 74801
Connecticut 6267
costs 22051 40693 56675 56693 56698 56797
Czechoslovakia 65450*
directories 21824 39310
France 65450*
Germany 74775 30565* 39312* 65435* 65439* 74776* 83829*
Great Britain 6269 6273 13781 30551 47974 93349 13785*
history 74787*
India 74779
interstate 6265
Italy 22053* 65450* 83836*
legal aspects 6265 65444 65447
Louisiana 22056 39302
Maine 30541
Michigan 30556
Middle Western States 93352
Mississippi 93343
Netherlands 30567* 39320*
North Carolina 56693
Northeastern States 47983 47984
Northern Ireland 22049 83835

Item

Milk--Cont
marketing--cont
Ohio 30556 39307
regulation 65447 65452 65453 65454 65457 74770 74802 83828
South Dakota 22048
statistics 13883 30571 83821* 83822*
Tennessee 6276 56690
Texas 6173 56694
USSR 6300*
Vermont 6280
marketing quotas 48029 56688 65437 65440 65452—65454 93347
microorganisms 22037 83802 6222* 45670* 47917* 56653* 74697* 90952*
Netherlands 74702*
Norway 30573*
nutritive value 30473 32465 47902 49743 58350 67129 83817 86089 93310 94823 94828 15476* 15482* 23661* 23704* 41071* 86077* 86083* 86093* 86094* 93295* 94821* 94825*
reviews 86080
oxidation 6364 30532 48013 80511
packing 48019 56721 48024*
costs 65481
pasteurization 13844 13872 39378 6360* 6371* 30631* 30676* 56778* 83919*
equipment 6385 39340 48086 56745 6381*
pasteurized 74838 30629* 74693*
bacteria 6212 13750* 56651* 74746*
France 93398*
Germany 13750* 30565*
India 74875
Japan 83914
quality 13790* 30591*
regulation and inspection 22071*
Switzerland 6330* 65545*
tests 47923 65418*
Turkey 56755
USSR 39380* 83895*
Venezuela 48035*
policies and programs 13815 39298 65449 56755 41053*
prices 6268 6274 7601 13788 13794 22083 30620 39018 47902 48029 56729 56730 56731 74846 76086 83878 93382 65492*
Brazil 22080*
California 56712
control 39350 56730 30619* 74844*
Europe 39018
Germany 47952* 56728* 65363* 65439* 65480* 74844*
Great Britain 6343 39348 47974 74845 56732*
Kansas 49085
Michigan 22079 30556
Minnesota 66707
North Carolina 56693
Norway 6341*
Ohio 30556
Oregon 93383
Puerto Rico 22051
support 48027 65491*
Sweden 47985*

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Item

Milk--Cont
prices--cont
Switzerland 30619*
USSR 48026*
Venezuela 65491*
processed 6241* 30512* 30678* 30679* 62803*
processing 6215 6364 13848 22102 39356 39387 48053 48073 56743 65518 74856 93414 93438 13837* 13869* 83906* 94821*
costs 56797
equipment 39351 65498 83926 5726* 13270* 47329* 64818* 83027*
production quotas 56619
properties 6213 22029 47924 48053 65408 65413 83781 83809 93318 13765* 13834* 19769* 54084* 54132* 56627* 56630* 56802* 74735*
reviews 30583 65414
proteins 13730 13740 13758 13768 13794 22017 22033 30509 39294 47945 48054 56643 65388 74719 74741 74873 90965 93364 93415 6201* 11524* 13754* 15482* 27911* 27912* 27931* 45440* 45453* 45492* 47938* 56626* 62673* 62963* 74700* 74721* 75408* 80070* 80482* 83749* 83779* 83786* 83813* 86078* 86094*
determination 6218 13719 65384 74690 74695 74711 93301 93330 6211* 6244* 13733* 13734* 31248* 39279* 45439* 45441* 45714* 56649* 74691* 74702* 74713* 83769* 83773* 83788* 83792* 93329*
reviews 91151*
purchase and sale programs 47970 48026*
purchasing 65369*
quality 30597 47902 47977 47996 71898 74813 91167 6222* 6300* 13270* 13803* 27600* 30575* 36486* 36660* 39390* 45496* 48097* 56773* 62729* 80102* 83787* 83860* 93373*
Australia 56716
Austria 30538*
Denmark 6316*
Finland 56718*
France 13854*
Germany 3564* 30601* 39336* 64823* 74815*
Great Britain 6284
Italy 6317* 22005*
Netherlands 13730
Northern Ireland 65471
Philippines 71990
Sweden 47985* 93360*
USSR 6308* 11486* 13762* 19733* 54498* 62715* 65462* 80138* 83009*
Vermont 6289 93353
refrigeration 47922 22113* 48097* 56744* 74878* 74884*
Argentina 56791*
Belgium 74858*
costs 13832*

Item

Milk--Cont
refrigeration--cont
equipment 6384 22089 48043* 56785*
France 13832* 74849*
Netherlands 65536* 83936* 93427*
regulation and inspection 6292 6318 6319 13791 22084 47983 47984 48003—48005 74818 74819 74827 83739 83850 6379* 22069* 65479*
Canada 6168 47998 48008 93253
France 13801*
Germany 6315* 39336* 48009* 48011* 65466* 65476* 74815* 74824* 74825* 80331* 83864* 93355*
Great Britain 48001 90974
Ireland 3106
Italy 74821*
Netherlands 27939*
New York 74813
New Zealand 48014
Northern Ireland 65471
Ohio 83849
Pennsylvania 22072
USSR 5992* 6298* 6300* 6302* 6309* 6311* 6321* 6325*
sanitation 6318 13812 13876 48102 65532 91167 93371 6379* 13868* 48033* 64812* 65479* 74806* 74832* 74883* 80429*
Brazil 48042*
Germany 36762* 38650* 48009* 65478*
East Germany 83241* 91138*
Hungary 93358*
Ireland 48079
Italy 6317* 22074*
Sweden 47985*
Switzerland 30617*
USSR 6325*
Vermont 93353
situation and outlook 11737 30486 56590
Germany 30490*
Great Britain 74845
Norway 27616*
skim 84801 49717* 56764* 74734*
analysis and composition 6218 47915*
chemistry 6363 39267 47908 30522* 39262*
culture medium 36315* 62305*
dried 7932 23663 56493 56494 65432 86090—86092 87072 19643* 45533* 47915*
feed 3061 65553 81179 81191 11503* 11520* 19748* 19773* 27657* 28624* 36507* 36510* 36521* 37324* 45522* 45533* 45534* 55016* 72044* 72062* 80145* 91463*
fortified 86072
hydrogen-ion concentration 56642
in semen dilution 11453 79994 19643* 27218* 81172* 91783*
nutritive value 67133 86090—86092 49717* 86097*
processing 74866 30660* 30670*

Item

Milk--Cont
skim--cont
properties 65424*
proteins 86090 86097*
reconstituted 81191
utilization 30539 83820
skimming 39393* 93401*
solids-not-fat 13731 19703 39334 39338 45428 48014 54479 56712 74810 80117 83795 6199* 47979* 74734* 80105*
consumption 56694
determination 13719 47947 65428 74731 83768 84424 13761* 27911* 47939*
reviews 11492
surpluses 13794
utilization 74765
sour 27657*
spoilage 74809 47988* 47989* 83750*
statistics 6399 13883 30690 48112 56811 74889
Brazil 22119*
Finland 22118*
Germany 30689* 65548*
Republic of South Africa 6398
Spain 83951*
sterilization 6386 56762 56763 56801 93405 93425 30634* 39381* 48049* 48056* 56753* 83903* 93413* 93433* 93434*
equipment 83925 5794* 56739* 56742* 83882* 93409*
sterilized 39387 48083 56721 13874* 48024* 48100* 48104* 65470* 65501*
analysis and composition 13768
chemistry 22107 74733
flavor and odor 65468* 65469*
France 56740*
Germany 65529*
Israel 65514
Italy 74848*
marketing 47962 65447
nutritive value 86078*
oxidation-reduction potential 74696*
quality 13790* 30591*
Spain 30649*
storage 83909*
vitamins 83870* 83909*
storage 6272 74733 30087* 30636* 65501* 83917*
substitutes 15480
feed 3380 3405 19761 27645 27658 45471 45504 80121 90942 11530* 54242* 56812* 62700*
surpluses 83831 39296* 65544*
temperature 65417* 65510*
tests 6202 6213 6225 6229 6231 6252 13721 13740 13756 13766 13767 30532 39293 47913 47914 47922 47930 47935 47943 47991 54384 65415 74686 74703 74739 83741 83748 83776 83865 91033 91066 93330 93331 6243* 11640* 13743* 22018* 22028* 22036* 27892* 30504* 30510*

Item

Milk--Cont
tests--cont
30526* 30529* 30537* 30538* 36555* 39263* 47920* 56631* 56638* 56651* 62739* 65392* 65393* 72175* 72848* 74689* 74697* 74718* 80466* 83788* 83790* 83791* 83796* 83806* 83807* 83812* 83833* 83841* 93298* 93307* 93324*
equipment 65416 83746 93292 13759* 30514* 65406* 93319*
transportation
Australia 6272
by truck 6263 56697 65438 13786* 39308* 39321—39323* 39325* 74791* 74805* 93346*
costs 22050 56695 30552*
Denmark 39313*
equipment 56242* 56785*
France 93338*
Germany 65460* 92878*
United Arab Republic 6238
utilization 6260 65430 74651 83816 22041* 39296* 65548* 74767*
vitamins 54367 19963* 30679* 32477* 36760* 62862* 65501* 74751* 91012*
weight and measurement 27928 65472 30581* 30623* 62978* 64904*
equipment 21580 91163
SEE ALSO Acidophilus milk; Buffalo's milk; Buttermilk; Colostrum; Curds; Goat's milk; Horse's milk; Milk tablets; Sheep's milk; Swine's milk; Whey; Yoghurt; UNDER Pools, and kinds of milk tests; and SUBHEADS in milk UNDER names of food elements; milk production UNDER names of animals
Milk fever
cattle 27668 27777 36612 54347 54457 62788 62802 72110 72111 91105 19822* 19832* 27826* 36545* 36604* 45607* 48681* 80332*
swine 12248 28649 20530* 28695* 73018*
Milk houses 5835
Milk Industry Foundation 74666
Milk plants
accounting 30474 30493 39252 56612 65374 65376
Canada 21995*
construction 83711
cooperative 74656* 93351*
Denmark 74647 13704*
designs and specifications 21699
directories 39310 93261* 93262*
France 21994*
Germany 56591* 56603* 65364* 74644*
heating 64996
Indiana 93406
Iran 30481*
layouts 30673*
management 21996 32045* 56622* 74656*
Austria 30452*
Brazil 56588* 56618*

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Item

Milk plants--Cont
management--cont
Germany 30454* 39235* 47895* 65363*
East Germany 83251*
Italy 6187*
Netherlands 30475*
mergers 56595
Netherlands 74664* 91158*
North Dakota 30648
Norway 47880* 56604*
Oklahoma 22007
pest control 37779 64059 90747
regulation 6291 7762 13816* 80436*
Sweden 47891* 47892* 48117* 93360*
Wyoming 83733
Milk Sanitation Act (proposed) 6292 47983 47984 65532
Milk separators SEE Cream separators
Milk souring organisms test 22037
Milk tablets 83881*
Milking 21578 13170* 72269* 91164* 92882*
equipment 92741
Australia 13179
Germany 38647* 57749* 74023*
East Germany 13169* 38642*
Great Britain 5717 56108*
Netherlands 29892*
sanitation 13174 47325 64824 38649* 74009*
USSR 5726* 47329* 83027*
labor 66477 49067* 66460*
Czechoslovakia 85293*
Germany 49079* 57749*
East Germany 94217*
USSR 31752*
Netherlands 27945*
sanitation 36708* 83009* 91161* 93358*
Scotland 80517
technique 3613 11627 11715 11726 19968 27932 30037 36755 36763 54483 80485 83846 91135 11730* 27821* 27919* 27937* 36762* 49067* 62964* 62978* 72180* 72269*
research
statistical methods 21571
SEE ALSO UNDER Sheep; and SUBHEAD milk production, effects of milking UNDER Dairy cattle
Milking barns 5846 47545* 56284* 64992* 92960*
designs and specifications 56287 56293 56299 74277
heating 74305
sanitation 83241*
Milking machines 21578 47331 13170* 36706* 62964* 74806*
and disease 3531 21568 27715 29894 45669 80467 91134 62827* 91138*
Australia 83020 92747
costs and returns 5721* 76253*
Czechoslovakia 64818*
Denmark 83021* 83022*
Finland 56106*
France 83013*
Germany 38645* 38650* 64823* 76253* 92736*
East Germany 94217*

Item

Milking machines--Cont
Great Britain 5717
history 13172*
Hungary 64811*
maintenance and repair 13167 38657 64821 64820*
Netherlands 13165* 13173* 38654* 74017* 83034*
operation 21571 56105 83014 13166* 21569* 21574* 29875* 29876* 29883* 47322*
parts 13167 38659 56115 21575*
pipeline 13171 13177 83015 92735 29879* 38642* 38649* 56281* 64812* 74006* 74023*
portable 74023*
sanitation 13175 13189 29881 38658 56114 74021 92744 92745 29879* 29893* 47978* 62827* 83009* 83023*
Switzerland 21585*
tests 83019 47318* 64811*
types 29880
USSR 31752*
Milking stalls
Australia 5841
construction 21703*
costs 38802
equipment 38647* 47543*
Milkstone 38657
Milkvetch 52526
Milky disease 37460 73372*
Miller J H 49785
Millers National Federation 65918 84483
Millet 57960
anatomy and physiology 68736 59997* 60129* 60201* 68933* 69115* 87490*
bibliographies 88318
biochemistry 9305 69115*
culture 9467 60527 9376* 9378*
disease resistance 86842*
ecology 59997*
feed 55010
fertilizers 2345*
fungus diseases 86842*
morphology 59416*
proteins 87490*
soils 60129*
storage 69115*
varieties 86842*
weed control 9888* 70007* 70097*
yields 9467* 68933*
Millet starch 22529*
Millettia 41385 67399*
Millipedes SEE Diplopoda
Millowners Association Bombay India 84077
Mills and milling 14250 22535 31190 57142 57170 57186 65853 65874 65929 75279 75301 84425 84470 93704 93742 14292* 22510* 31161* 39815* 39832* 75333* 75334*
associations 75299*
Austria 84461*
conferences and congresses 75262*
directories 14248 84464
equipment 6851 75269 93702 31095* 31185* 31187* 48560* 65951* 75277* 75319* 75367* 93745*
European Economic Community 75320*
France 14273* 22474* 39818* 65908* 75314*

Item

Mills and milling--Cont
Germany 14238* 14240* 22473* 31116* 31163* 39823* 39827* 39840* 39855* 48562* 65867* 65870* 65906* 65910* 75285* 75349* 84445* 84446* 84496*
Great Britain 75328 84470
India 22492 22516
industry 31152 31153 31154 39831 48540 65913 65914
Italy 48564 39810*
Japan 14294 65944
Mongolia 65878*
Netherlands 14303*
periodicals 14314 75358
Poland 39817* 39836* 93697* 93747*
policies and programs 65918 84516
research
statistical methods 31118*
Rumania 93724*
sanitation 14233 65860 65880 48521*
situation and outlook 6807 14271 14272 14291 57188 65953 75266*
Spain 84499*
statistics
Australia 31088
Canada 84417
Great Britain 83581
Spain 22518*
study and teaching 6802 39868 14288*
types 39856
USSR 84528 6808* 93717*
yields 31142* 39823* 65883* 65955* 75369* 75370*
SEE ALSO Sawmills; and SUBHEAD milling UNDER specific subjects
Milo 913 3870 12220 20476 33425 80760
Miltinus 5135
Miltogrammatinae 92430*
Miltonia 17453 17466
Miltonia warscewiczi 1797
Milwaukee Boerner Botanical Gardens 8170
Mimaeschopalaea 46816* 46817*
Mimapomecyna 29336*
Mimasyngenes 92347*
Mimechthistatus n g 92348*
Mimexocentroides n g 46816*
Mimicry SEE UNDER Insects; Plants
Mimips 12843 64363*
Mimiptera n g 5013
Mimogonus 64340*
Mimohomonoea n g 46817*
Mimologus 82421
Mimonemophas n g 82225*
Mimoropica 46817*
Mimosa 8984 77701 71536* 78103*
Mimosa invisa 25940
Mimosa pudica 8129*
Mimosaceae 24029 16910* 33601* 60316*
Mimothestus 82225*
Mimulus 788 33689 58617 76925
Mimulus glabratus 16462
Mimulus guttatus 33689 50908 87428
Mimulus moschatus 59339*
Mimusops hexandra 7088*
Mindarus japonicus 92517*
Mindoa 67582*
Mine timbers 53561 53604 10560* 62228*
Mineral oil
effects on animals 67670*
effects on plants 464 41244 42668* 67670*

Item

Mineral oil--Cont
effects on plants--cont
bibliographies 42536
in foods 56347 74432
Mineral rights SEE UNDER Land
Mineral spirits SEE Petroleum spirits
Mineralogy 18178
Minerals
chemistry 40224
determination 74397 6642* 13663*
effects on plants 1172 24785 25153 33847 44191 68844 16739* 24859* 34050* 34241* 42552* 59467* 59950* 60139* 68633* 68991* 69114* 69149* 77469* 77623* 87873*
fertilizers 18602 35358 10190* 10220* 10221* 10246* 18339* 26643* 34050* 35385* 43958* 44216* 44221* 50214* 61417* 70400* 89938*
alfalfa 61331* 70625*
apples 10159*
barley 78588*
buckwheat 61442*
cabbage 26211* 89834*
cacao 10212
coffee 26325
corn 2274* 2304* 10261* 10299* 26115* 26314* 52807* 52817* 61365* 61399* 61436* 68998* 78557* 78640* 89698* 89748*
cotton 89646*
Eucommia 90164*
field crops 35287* 44150* 61385* 70495* 78587* 89641* 89642*
flax 61341*
forage plants 26283* 44297* 61400*
Germany 44277*
gourds 89700*
grain 52832 61400* 89765* 92781*
hemp 18299*
Hungary 70670*
India 18331*
Larix 53332 61878*
Morus 70491*
oats 78588*
pastures and meadows 10253* 10267* 44144* 61434* 89818*
Picea 71161 44776* 61878* 71154*
Pinus 44780* 61878*
potatoes 24974* 44264* 61430* 70589* 70602*
Rumania 89742*
Scotland 79233
sorghum 9041
sugar beets 78004*
tobacco 70488* 70529*
tomatoes 35309* 78725*
trees 53346 79241*
USSR 10482* 10501* 13225* 35408* 44185* 44208* 44531* 61330* 70900* 78999* 79018* 89740* 89945*
vegetables 10178*
wheat 10261* 52817* 61331* 68771* 70653* 89748*
in animal nutrition 11151 19373 19421 27271 36212 62326 3032* 3053* 3076* 11201* 11209* 23674* 27272* 27279* 27286* 36192* 36205* 36587* 45187*

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Item

Minerals--Cont
in animal nutrition--cont
45192* 45231* 53762*
53775* 53804* 53837*
70400* 71664* 71679*
79647* 79692* 90521*
90542*
reviews 90514*
in animal physiology 19525
45275*
in beverages 65315*
in blood 53849 20370*
45275* 71900* 72126*
in cattle nutrition 54240
3411* 54225*
in cattle physiology 12111
54329* 54436* 71998*
72232*
in corn 30741*
in dairy products 30507*
in dog nutrition 36769
in feed 6429 24847 53804*
83978* 93469*
in fibers 80989*
in flour 39848 6856*
14305* 39877*
in food 24847 49729
74397
in food processing 75459
in forage plants 50968
27244* 87825*
in fruit juices 6642*
in fruit processing 65813
in goat physiology 54903
in grain 65923 6856*
39877* 84515*
in honey 93770
in horse nutrition 63177
in human nutrition 32437
32447 49653 49725
49729 23674* 49665*
in insect physiology 12956
in livestock products 67142*
71699*
in milk 30507* 62974*
in molasses 31545* 31546*
in peanut flour 86071
86072
in plant nutrition 1130
16553 24769 26927
42835 51045 59749
60043 60121 60246
61446 77547 79304
88056 956* 1193*
9059* 9138* 16551*
16710* 16803* 16804*
24849* 24924* 25006*
25059* 33848* 33986*
34243* 43862* 51276*
51341* 51438* 60191*
68748* 68878* 68946*
68990* 69044* 69150*
69154* 87507* 87543*
87720* 87771* 87772*
87874*
in plants 9014 9041
9051 16526 24847
33912 34085 34102
42532 51010 51260
59727 70402 7323*
8986* 9034* 9060*
16541* 25074* 25084*
42522* 42909* 42961*
51207* 51332* 59900*
68686* 68814* 87894*
87924* 89513*
reviews 77708 59806*
in poultry nutrition 3862
11910 36998 72530
in poultry physiology 46006
72628 72646 54740*
63283*
in ruminant nutrition 79697
19400*
in sheep nutrition 20340
38653 54906 63425
91650*
in sheep physiology 12111
91683

Item

Minerals--Cont
in soils 10035 10039
17760 17884 17931
17938 17943 17971
17990 18018 18140
18343 24785 25153
26091 26146 35093
35168 35174 43920
43950 43962 43986
52453 52471 52490
52554 52558 52566
52615 61055 61067
61118 61144 61154
70189 70402 71376
89516 10011* 10018*
10030* 10305* 16804*
17897* 17921* 18146*
24859* 25084* 35213*
43977* 52500* 61133*
70297* 70308* 70529*
78364* 78385* 87873*
89508* 89513*
Argentina 78346*
Arizona 17934
Brazil 17941
Bulgaria 18003*
Canada 2077 2179
2216 2223 52663
52832 70251
Ceylon 10045
Chile 70254*
Denmark 43932
Finland 10036*
Florida 17968 18319
France 78331*
Germany 44107*
Great Britain 711
India 10028 78378
Iowa 44073
Iraq 35143
Italy 18027*
Japan 52499 52658
61137
Luxembourg 44095*
Nebraska 44073
New Zealand 18143
35135 77948
Norway 43954
Poland 26090 70313
Spain 17930* 18007*
52651*
USSR 61286 10041*
43978* 78366* 78530*
Yugoslavia 35256
in sugar beets 85046*
in sugars 31545* 31546*
in swine nutrition 72969
81175* 81203* 91818*
in swine physiology 4275
28665* 91807*
in turkey physiology 20176
in vegetables 84200
in water 25153
in wheat 93700
in wine 13619* 83634*
in wood 71577
SEE ALSO Minor elements; and names of minerals
Minettia rivosa 29474
Minigellus n g 92514
Minio M 67216*
Ministers SEE Clergymen
Minks 45815 63119*
abnormalities 11804*
anatomy and physiology 28071*
associations 48662
breeding 3719 45803
45804 72365 72366
3717* 11795* 11796*
11797* 28069* 36839*
63091* 63093* 63122*
Denmark 11793*
effects of feeding 3722
63101 91280
Germany 36843* 36844*
inbreeding 20048
36840

Item

Minks--Cont
breeding--cont
Scandinavia 20049*
20050* 54578* 63090*
breeds 20050*
care 36868 63090*
63122*
color 3718* 11794*
11796* 11797* 20049*
28069* 36839*
cytology 3725 80588*
deficiency diseases 36861
63113
diseases 20060 45808
63105*
control 54586* 54590*
prevention 63109*
72376* 91285*
embryos 72372
equipment 20060 47544
farms and ranches
management 20060
31994 38711 54601
63109* 72376* 91285*
feeding and nutrition 3720
3721 3722 20060
28073 36853 36854
45806 63097 63100
63102 72367 36850*
63109* 72376* 91285*
deficiencies 20051
28077*
Denmark 11799* 11800*
Germany 91281*
Oregon 36847
recent developments 72369
Sweden 63095*
fertility 36845 72365
45805*
fur production 3735
11808 11805*
effects of disease 54580
effects of feeding 3723
genetics 3719 20048
20060 45804 3718*
11794* 36839* 54578*
63093*
growth 3723 3730*
housing 47544 64982
immunization 63109* 91285*
infectious diseases 63108
36857*
legal aspects 63111*
losses 36845
marketing 6936 48662
mortality 54596* 63111*
parasites 20059 20611*
pelting 11808 45814
20064*
pest control 20611*
poisoning 72370*
pregnancy 36845
watering 64817*
weight and measurement 3730* 11805*
wild 45817
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Minneapolis Grain Exchange 65900
Minnesota Academy of Science 15505 86117
Minnesota Agricultural Experiment Station 86277
report 49886
Minnesota Dept of Conservation Div of Forestry 26699
Minnesota State Fair 66918
Minnesota State Grange 32246
85913
Minnesota University
College of Agriculture 85824

Item

Minnesota University--Cont
Hormel Institute 86268
Landscape Arboretum 49950
Minniza 4943
Minor elements
determination 39655
84087 47660* 83360*
87708*
effects on plant disease
345 24370* 33189*
58836* 59025* 67768*
effects on plants 16657
42837 68019 77579
77651 87948 1076*
2722* 8930* 16575*
18968* 24768* 24773*
24946* 25110* 25178*
42471* 51272* 51328*
52120* 59462* 60160*
61189* 68546* 68627*
68700* 69100* 69129*
70674* 78409* 87500*
87883*
bibliographies 1011
fertilizers 10480 44505
61643 78619 18285*
26292* 61412* 61425*
89515* 89737*
Australia 61374
bananas 78571
citrus 44158
corn 2285* 61327*
70635* 78557* 89756*
89769*
cotton 10164* 61454*
70547* 70674* 89747*
field crops 26290
2327* 26208*
fruit 52774*
pastures and meadows 44238
potatoes 44240*
strawberries 70573*
sugar beets 18369*
78643*
sugarcane 18363
sunflowers 89769*
tomatoes 89666*
USSR 89928*
wheat 52840
in animal nutrition 11150
11173 61257 61374
71670 90679 27272*
27286* 45192* 79717*
80454* 90521*
reviews 90514*
in animal physiology 61404
36217* 45275* 79789*
in blood 45275*
in cattle nutrition 3359
3405 54144 62656
80190 3388* 54152*
54188* 62677* 72018*
72019* 72031* 72048*
in fats and oils 83745
in feed 68620* 71699*
83962*
in fibers 84087
in forage plants 16796
79672 83979*
in fruit 39655
in human nutrition 58311
49665* 61261* 76601*
in insect physiology 73498
46716* 73489*
in meat 75400
in milk 72031*
in plant nutrition 1017
1253 1301 16656
24769 34180 24795*
51341* 87647*
in plants 42688 61257
61404 68019 77487
25031* 30362* 33963*
50938* 78335* 78633*
83360* 87708* 88010*
bibliographies 1010
in poultry nutrition 3866
80739 63256*

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Item

Minor elements--Cont
in poultry physiology 91542*
in sheep nutrition 81014 4097*
in sheep physiology 91709
in soils 2228 18317 61172 61182 61257 61336 61404 87708 2090* 2116* 26023* 44202* 61189* 61212* 61259* 61261* 70303* 78335* 78401* 78402* 87500*
Australia 61285
Florida 44158
India 61349
Italy 17967*
Missouri 52541
Republic of South Africa 52841
Rumania 26079*
USSR 2110* 35177* 43993* 52534*
in swine nutrition 37334 12196* 28586* 37325* 55044* 72960* 81194* 91796*
in swine physiology 91807*
in turkey nutrition 3866
in wine 30362* 65295*
SEE ALSO Frits; and names of minor elements
Mint SEE Mentha
Mint oil 75602 66143*
Mintic SEE Methyridine
Minuartia 41427
Minucia lunaris 5296
Mirabeau H G V R 23060*
Mirabilis jalapa 42261* 68393*
Miramella alpina 92248*
Mirex 81407
Miridae
anatomy and physiology 5247*
and plant disease 37686
Arizona 82506
as predators 73303
Bulgaria 47018*
California 82506
collecting and preserving 37961
Czechoslovakia 47042*
food and host plants 73752 73766
France 46997*
Ghana 81767 86952
Great Britain 5244 64498
Greece 47056*
Malagasy Republic 12929* 21291*
Mediterranean area 47016* 47058*
Nearctic Region 5232
Neotropical Region 64479* 64480*
Nigeria 8595
nomenclature 5234 47119 47059* 47060*
parasites 5242
Poland 92506*
Republic of South Africa 47007
Saudi Arabia 38354* 82569*
taxonomy 21292 64510 82506 38306* 38352* 38355* 46997* 47055* 47057* 92500*
Turkey 47054 29571*
USSR 47019* 64516*
United Arab Republic 82566*
Mirificarma cabezella 82782*
Mirini 47119
Miris dolabratus SEE Leptopterna dolabratus
Miscanthaspis n g 82562
Miscanthus 76921 78642*

Item

Miscanthus japonicus 773
Miso 22483
Mispila 46817*
Mississippi Agricultural Experiment Station report 23841
Mississippi Federated Cooperatives 32294
Mississippi State Plant Board 33100
Mississippi State University of Applied Arts and Sciences Agricultural Extension Serv report 15242
Missouri Agricultural Experiment Station report 58468
Swine Evaluation Station 46291
Missouri Dept of Agriculture Grain Warehouse Div 22505
Missouri Grain and Feed Association 75326
Missouri River Basin Project 70817
Missouri University College of Agriculture 15241
Mist propagation SEE SUBHEAD propagation, by cuttings, mist humidification UNDER Plants and names of classes of plants
Misthosimella 46910*
Misumena 82201
Mites
abnormalities 38034*
acaricide resistance 4360 20582 46342 55164
anatomy and physiology 4938 20945 38008 46794 73548 21077* 55675* 55686* 73571* 82161*
and disease 20650 46401 55281 73578 81487 81553 92035 37513* 55350* 63829* 73136*
reviews 55355 81605
and plant disease 64057 37619* 64032*
reviews 55230
Apis mellifera 12673 20945 81979 37849*
apples 20804 20841 20842 21058 21063 55164 64001 81777 81824 12551* 20826* 20851* 46592* 63973*
as feed 64271 73584
as pests 46616* 73195*
Canada 28784 37480 81634
France 86608*
USSR 92141*
as predators 4908 4949 4963 29282 46781 82115 82140 4935* 20826* 64009*
Australia 46784
Austria 82175*
avocados 46569
bark beetles 29310
barley 20789
bats 46784 82166 28839* 38023* 38025* 81544*
beans 46435
bees 64275
beneficial 46592* 63986*
birds 4573 12768 64246 73155 81474 92040 12400* 38013* 81507*
blackberries 37729*
blood-sucking 46780
blueberries 4690*
bran 81862*
breeding places 37524* 55708*

Item

Mites--Cont
Buxus 4713*
Canada 64048
cats 82190
cattle 55285 55357 81490
cheese 4949
chemoreception 73865*
Chrysanthemum cinerariaefolium 63892
citrus 4373 12529 12538 12557 29064 46341 55498 55499 63979 63995 73288 81775 12549* 29081* 29082* 64022* 64024* 92169* 92336*
Coleoptera 73575
collecting and preserving 12789 73555
color 64307
Coniferae 37811*
control 4643 12431 20582 37708 55235 55357 12531*
Australia 28948 55212
biological 81775
California 12612
Canada 29127
cultural 64012 63981* 63991*
Florida 73288
Germany
East Germany 37746*
Netherlands 12352*
Portugal 55172*
tests 12338 12611 20809
USSR 63858*
cotton 46511 73209 81614 20772* 20773* 37619* 46512*
culture media 4397
currants 12570 12591 12780 12792 81748 81803 37750*
Cynodon dactylon 37623 81825
dates 12544
desert areas 73548
development 4949 29292 29307 82122 82150 82208 29322* 46795* 55686* 92318*
diapause 37465 28807*
Diptera 4908 4949 4963 4918*
dogs 4517
drugs 55545
earthworms 55697
ecology 21036 73579 82150 82195 82593 73582* 92169*
eggs 20790 64308 81361 20851*
Euphorbia pulcherrima 46604
evolution 21035
fertility 21071 46790 37497*
field crops 92076 92101
flaxseed 20862*
flour 37768 29126* 46625* 55685* 81835*
food and host plants 82122 82187 92318*
frogs 64287*
fruit 4360 20582 20809 37708 46533 64012 64288 73313 73566 81385 81749 81779 81789 92159 29092* 46531* 46545* 46594* 63981* 63986* 63991* 73295* 73301*
geographic distribution 12772
grain 12617 20789 37768 37790 64051 81857 4718* 55540*

Item

Mites--Cont
grapes 29088 37728* 86970*
grasses 12473 12604
Great Britain 73555
habits and behavior 12780 64302 73548 82150 12596* 55675*
Hedera 46606
hempseed 20862*
hibernation 64293
host relations 73155 82138 46442*
hosts 12404 73555 82124 21060* 46401* 82145*
hybridization 82123
identification 55545 55667 81495
Israel 12762 38019 38020
Japan 12764 82140
Juglans 92143
life histories 4963 12784 29321 46788 46801 55692 64293 82115 82122 82149 82187 82208 38031* 92339*
Lilium 81829*
livestock 3085 81464
lizards 82153
longevity 21071
man 20668
mangoes 81772 38045*
Mentha piperita 4686
metamorphosis 46808
mice 12762 46408 81455 81566*
mortality 4949
Morus 20883*
mushrooms 12531*
nematodes 82178
nomenclature 21047*
North America 12772
nutrition 12786 82208 46625*
nymphs 55667 64308 38034* 81507*
ornamental plants 46607 12599* 64027*
outbreaks 20851*
oviposition 28801 29066*
parasites 4921 55499
peaches 29101*
pears 81769 81806
Picea 37827* 81907*
pigeons 4562
plant relations 46790 81829*
plums 73264 12562* 12586* 12596* 46551*
populations 12792 21058 37731 38048 64288 81777 81824 81829*
potatoes 29026 37684*
poultry 4462 28874 46384 55342 73155 92045 4532* 12426* 37573* 38034* 38035* 46393* 55303* 55350* 63836* 63857* 81559*
predators 21058 55499 73728 63753*
prey 46801
Prunus amygdalus 81812
rabbits 28905
raspberries 82122 82123
rearing and breeding 4949 21071 46780 55692 38031* 46614*
rodents 38019 38020 29297* 63829* 81552* 81611*
Rosa 29113 81823
sausages 37778*
sheep 12784 55285 63817 81483
shipping 82167
snakes 12765 64286*

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Item

Mites--Cont
soybeans 12440
stored products 55545
64051 81857 46614*
46615* 46616* 46622*
strawberries 12539
12556*
swine 4542
taxonomy 21049 46783
46784 46786 82153
4935* 12767* 38023*
55706* 55707* 82145*
Taxus 4712*
tea 37694 37731 73278
73304 63955*
termites 29318*
toads 64287*
tomatoes 4609 12488*
81618*
turkeys 81487 4532*
Ulmus 73573
USSR 4919* 55657*
64279* 73545* 82179*
92341*
variation 4950 73569
vegetables 92101 46442*
vernalization 55646*
Vietnam 21050*
wasps 64275
water relations 4937
73548 55685*
wildlife 28878 29302
46786 55285 82138
12400* 29297* 92000*
Mithoplastoides 82180
Miticides SEE Acaricides; and SUBHEAD mite control UNDER Insecticides and names of insecticides
Mitochondria
animals 11268*
insects 5066 37969
82827 82840
plants 782 821
1333 9165 9166
16647 16889 16900
24595 24666 33944
34314 43024 50840
51455 51488 60248
60303 60304 68311
68615 68787 68915
69062 87683 87917
8727* 34174* 41259*
42989* 50755* 51202*
68320* 87262*
Mitomycin C 59396*
Mitopus morio 55699
Mitosis
insects 33596 82822
plants 815 8797
9269 16331 16369
16442 16623 24639
24642 24715 33583
33596 42177 42241
42243 50649 50668
50713 50754 59348
68389 68404 77413
87281 87350 88036
16287* 24622* 33656*
34092* 42342* 59390*
59430* 59431* 68218*
68221* 68371* 68515*
77387* 87276* 87353*
Mitranthes 58671*
Mitscherlich law 2279
61371 9116* 52714*
Mittenia plumula 33730
77407
Miyagawanella 53901
Miyagawanella ovis 28468*
Mizaldus 12925
MK 360 SEE Thiabendazole
Mnionomus SEE Cryptophagus
Mnioticus n g 92353
Mniszech J Essai sur les Tourbes 70925*
Mnium pseudopunctatum 58752*
Mnium undulatum 87528*
Moa Farmers' Co-operative Dairy Co 74785

Item

Mocis repanda 4634* 29022*
Mocuellus 46994* 47052*
Modern Packaging Encyclopedia 21860
Modicogryllus n g 47208*
Moechohecyra 92347*
Mogangella 46994*
Moghania macrophylla SEE Flemingia macrophylla
Mohair 6472 39521 39891
56916 65969
Australia 54980
Texas 22209 30770
30866
Mohunia 55855
Moisture SEE Humidity; and UNDER specific subjects
Moisture meters 24187*
41725*
Mojavia n g 29702
Mol Centre d'Etude de l'Energie Nucléaire 76680*
Mol M J 41213*
Molasses
analysis and composition
7267 85064 85073
94042 94073 7241*
7278* 31545* 31546*
31547* 31562* 40188*
40203* 48931* 57500*
57574* 66244* 75737*
75738* 94061*
chemistry 31579
31580 31581 85000
14598* 22890*
color 7278*
consumption 93200
culture medium 22153
39055 40181 40198
30275* 30303* 48921*
feed 3365 9696 20346
27267 45490 45530
54193 54906 62637
80175 91518 7253*
19426* 27595* 27649*
31562* 39452* 71669*
80617* 94032*
fermentation 7249
22858 57507 66237
6157* 13628* 14603*
47775* 48922* 84995*
85017* 94047*
fertilizers 2260 18355
61213 10252*
grading and standardization 94040*
losses 94052*
marketing 7250 57572
microorganisms 66237
48330*
processing 31548 40172
57534 57567 7253*
14604*
products 48908 7255*
19426* 57500* 94040*
94048*
properties 66251*
quality 85026*
85083*
spontaneous combustion 7274
statistics 57572
utilization 22868 75775
83678* 94026* 94032*
94055*
waste 48931* 94028*
94064*
Molds 28 21071
SEE ALSO Fungi; Mildew; kinds of molds; and UNDER specific subjects
Mole drains 26463 89833
44376* 70752*
Moles
control 8396 8406
50217 41716* 67671*
insect food 63866*
parasites 81537*
pests 82912 63866*

Item

Molinia 1583 34519
Molinia caerulea 1061
708*
Moller-Sorensen A 86164*
Mollier diagram 74522*
Mollisia 24614 32958
Mollisiaceae 67613*
Molluginaceae SEE Aizoaceae
Mollugo nudicaulis 77821*
Mollusca 79725*
Molluscicides 23767 77053
81505*
Molophilus 38156 38157
Molybdenum
determination 78384*
effects on plants 16510
16698 42665 43997
60257 78457 87834
87902 16615* 33939*
34320* 68666* 68852*
87526* 87529* 87907*
fertilizers 52750 61455
78384*
clover 52740 78688*
legumes 2300*
peas 44229*
in cattle nutrition 19771
62897
in cattle physiology 72146*
72205*
in plant nutrition 33858*
68638*
in plants 16507 36610
59802 61130 69136
81023 87903 91692
1388* 35142* 60030*
87498* 87815* 87816*
bibliographies 42503
in poultry nutrition 45920
in poultry physiology 12004
in sheep nutrition 37202
in sheep physiology 72205*
in soils 35151 35166
69136 10044* 35142*
52538* 61260* 78384*
Australia 52750 78345
bibliographies 42503
Bulgaria 89491*
Canada 52514
Connecticut 61130
Italy 26147* 78381*
New Zealand 26069
USSR 52476* 60030*
toxicity 27733 36585
36610 37244 62758
72823 91524
Momisis 92350*
Momordica charantia 790
39655
Momordica charantia oil 40055
Momordica denudata 23949
Momphidae 47152
Monadenium 41361
Monascin 9255
Monascus purpureus 9255
Monceras n g 86561
Monda major 21365*
Mondo 23975
Monechma ndellense 58680*
Monerma 50812
Moneses 77576
Money and currency 32345
75457 94163 94164
Mongolian poplar SEE Populus suaveolens
Monguillon E Catalogue des Coléoptères de la Sarthe 46821*
Monier-Williams test 6644
Moniezia expansa 72883
Monieziasis SEE Tapeworms
Monilia 86966*
Monilia fructicola SEE Monilinia fructicola
Monilia laxa SEE Monilinia laxa
Monilia roreri 8437*
Monilia sitophila 41544
Moniliaceae 8287

Item

Moniliales 58774
Moniliasis 11992 20241
72629 91470 54743*
63289* 91521*
Monilinia fructicola 24346
33254 33938
Monilinia laxa 8477* 24215*
41770* 77142* 86767*
Monimiaceae 58699*
Monoceronychus boreus 92332
Monocesta coryli bibliographies 12796
Monochaetia 86561
Monochaetia unicornis 41847
Monochaetina n g 41578
Monochamini 38088 92361
Monochamus 38088 92361
29148* 82225* 92347*
92348*
Monocillium humicola 15853
Monocotyledons 23882
anatomy and physiology 50667 50750 50814
59398*
cytology 50787
Ghana 50046
morphology 59402 59644*
Peru 50083*
Republic of South Africa 50787
taxonomy 32809 50750
50039*
wood 62171*
Monoctenus juniperi 21325*
Monocytosis 54674*
Monocytosporea 29787*
Monodontomerinae 82624*
Monodontomerus viciellae 73782
Monohelea 64460
Monolepta australis 37450
Monomacra 82215*
Monomma 92358*
Monommidae 92358*
Monomorium 5285
Monomorium chobauti 92543*
Monomorium pharaonis 29124
29128* 37769* 55543*
Mononychus punctumalbum 55747*
Monopolies 32302 65444
15003* 75433*
brandy 39126*
tobacco 31617* 75784*
SEE ALSO Cartels
Monopsyllus ciliatus 37549
Monopsyllus eutamiadis 46391
Monopsyllus fornacis 46391
Monopsyllus polumus 46391
Monosaccharides 51540
78371
Monosomes SEE Chromosomes
Monostroma 16260 41515
68231
Monotarsobius nihamensis 4942*
Monotropa 59325*
Monotropa hypopitys 50953
Monotropanthum n g 41352
Monotropeae 59637*
Monoxenus 92348*
Monstera deliciosa 8313
Montana Academy of Sciences 76668
Montana Forestry Dept 53151
Montana State Board of Hail Insurance 66432
Monterey pine SEE Pinus radiata
Monterrey Instituto Tecnológico y de Estudios Superiores 86269*
Montescueia n g 82125*
Montescueia leitãoi 82125*
Montmorillonite 10024
35173 51419 52491
52556 52568 52654
52655 61121

*Text of this reference is not in English.

Item

Montrel SEE Ruelene
Monuron 34997 43836 52179
effects on plants 952 1260
residues 47655 74403 75110 89354
Moonlight
effects on insects 82448
Moors
Denmark 32111* 71143*
ecology 33493 33571 37959 42090*
Estonia 41274*
Finland 59268* 67314* 68120*
France 2648* 10134*
Germany 35488* 35516* 35542* 35543* 40754* 42139* 87554*
East Germany 17209* 83961*
Great Britain 37959 87165
Japan 716
Scotland 33505
soils 44780* 70419*
Sweden 79336*
Switzerland 77334*
USSR 77332*
Mooser H 32518*
Moraba scurra 38553
Moraceae 25574*
Moranyl SEE Suramin sodium
Moraxella lacunata 3710
Morchella esculenta 73840
Mordellidae 92355*
Mordwilkoja vagabunda 5230
Morellia 46952*
Morgenthaler O 49811*
Moria
pears 33123
Morikawia n g 82126
Morimus 82225*
Morinda citrifolia 2983
Moringa oleifera 4751 77805 65705*
Moringa pterygosperma SEE Moringa oleifera
Mormo maura 64674
Mormodes colossus 89092
Mormodes wendlandii 89092
Mormoniella SEE Nasonia
Morocco Direction de la Recherche Agronomique 79986*
Morozov G F 87200*
Morphine 63031 42981* 54672*
reviews 36785
Morphology SEE UNDER Plants and names of plants; and SUBHEAD anatomy and physiology UNDER Insects and names of insects; Livestock and names of animals
Morrill Act of 1862 58165
Morrinsville Co-operative Dairy Co 83832
Morris Arboretum SEE Pennsylvania University, Morris Arboretum
Mortgages SEE Credit, mortgage
Mortierella 72624*
Morus
analysis and composition 29215* 92291*
anatomy and physiology 33996 77722 2716* 24935* 33827* 33992* 42886* 77531*
bacterial diseases 24254
culture 78250 9427* 46706* 89423*
cytology 77371
diseases 67702 59020* 86821*
ecology 77722 653*
feed 91656

Item

Morus--Cont
feed for silkworms 33996 82036 12722* 29215* 37910* 37911* 37932* 42886* 46706* 46712* 73462* 73463* 73467* 82016* 82020* 82021* 82034* 82037* 82040* 89423* 92289* 92291*
fertilizers 70491* 89721*
fungus diseases 24254 59020* 86821*
genetics 42336*
hardiness 59907* 60230*
hybrids 89721*
irrigation 70491*
Japan 32776
Malagasy Republic 82058*
pest control 20887* 46598* 82066*
pests 67702 46512*
physiological diseases 60257
pollen 33666*
propagation 33416* 61021*
pruning 82021*
quality 37911* 46712* 82016* 82040*
rootstocks 61017*
varieties 32776 77371 82054 82059 1973* 37910* 37911* 73462* 73463* 73467*
USSR 86821* 88926* 89435* 92291*
virus diseases 33416* 77258* 87087*
yields 37910* 70491*
Morus alba 45055 82066* 90156*
Morus indica 743
Morus laevigata 743
Morus nigra 87481*
Mosaic
abaca 42006 67986
alfalfa 547 8582 16133 33389 42004 68032 587*
apples 50498 50502 87029
Arabis 574 24462
Aztec tobacco 33381*
barley 77246*
beans 16150 24422 50507 50514 33407* 68020*
Bidens 33391
broadbeans 68033*
Bromus 16120 16126
Cassia 87094
cauliflower 573
Centrosema 59192
Chenopodium murale 535
corn 87059*
cowpeas 59146 67998
Cruciferae 77250*
cucumbers 594 8592 8612 8615 16156 33405 37657 50328 55434 87056 33424* 59114* 68016* 77240* 87076* 87096* 92115*
figs 77247
grain 566*
Hyacinth Dolichos 68032
Leonurus sibiricus 73282
lettuce 569 29002 33417 68023 81713 77238*
melons 77239*
oats 24402 68046 77223
pears 87004
peas 68031
radishes 562 577 42051*
raspberries 24404
rhubarb 87070*
soybeans 570 33407*

Item

Mosaic--Cont
squash 33399
sugar beets 68016*
sugarcane 34949 50464 59113 67982
sunn Crotalaria 67997
tobacco 534 536 551 576 579 8581 8590 8594 8597 8598 16121 16125 16149 16151 16157 16159 16162 17270 24415 24419 24433 33376 33409 33890 37087 42024 42033 42050 50479 50483 50495 50496 50497 50510 50514 50521 50522 52086 55462 59115 59117 59158 67997 67999 68006 68008 68025 68035 68044 68045 68048 77218 77222 77234 87013 87017 87020 87025 87033 87036 87037 87044 87056 87067 87077 87091 87098 87099 88105 8591* 8617* 16111* 17272* 24423* 24443* 33365* 33381* 33382* 41959* 41984* 41986* 41991* 42003* 42021* 42040* 42047* 50490* 50505* 50519* 59114* 59157* 59164* 59193* 68040* 72684* 87100*
tomatoes 554 41996 24423* 68027* 87075*
Tulipa 592* 593*
turnips 59169
watermelons 586 77261
wheat 33413 73242*
Mosaicism SEE SUBHEAD genetics UNDER Insects and names of insects; Livestock and names of animals
Moscovite 35126
Moscow Meditsinskii Institut im I M Sechenova
Botanicheskii Sad Lekarstvennykh Rastenii 35070*
Moscow Universitet
Biologo-Pochvennyi Fakultet 94941*
Zoologicheskii Muzei Entomologicheskoe Otdelenie 63710*
Moscow Veterinarnaya Akademiya 71845
Mosquitoes 46984
abnormalities 29508 82484 92481 82467*
Africa 5183
age 21012 55840 81478 38269* 82465*
anatomy and physiology 5189 21264 21265 38253 38281 46980 73139 82449 82461 82469 92482 92488 29496* 29513* 38269* 55841* 55845* 64473* 73724* 82488*
and disease 4497 4525 4553 4565 12414 20641 20652 28825 28941 28942 37510 55249 55269 55335 55336 55341 63837 63874 79853 81446 81469 81570 81608 37603* 53885* 55282* 73159* 91999*
Asia 81593
Australia 4018 73142

Item

Mosquitoes--Cont
and disease--cont
Congo 92026*
Cuba 37602*
East Africa 37533 63818 73144
Ethiopia 55364
Fiji 4326
India 55265 81410 92024
Korea 55283
Laccadive Islands 92030
Malaya 81538
Massachusetts 55284
Mexico 20685*
New Guinea 4480
New Jersey 81524
New York 81558
Pacific area 55267
Portuguese Guinea 66945*
reviews 37569 46419 55324 55366 81586
Sudan 81600
Taiwan 37548
Thailand 55311
Trinidad and Tobago 4577 73176
Turkey 63815*
Uganda 46420
USSR 20607* 63839* 63840* 92025* 92036*
Yugoslavia 81542
Australia 46976
bibliographies 29512 81587 92486
bites 4526 21012 55269 55293 73149 82471
Brazil 81492* 82458* 82459*
breeding places 4499 4552 12396 20672 28817 28912 55360 55365 82460 82484*
Alabama 29494
California 28897 28937 29497 63861 81607 92032
Delaware 82491
France 82485*
India 52238 92479
Iraq 38279
Ivory Coast 64471*
Laccadive Islands 92030
Louisiana 29494
Maryland 81548
Mississippi 29494
New Jersey 81491 81509 81531 81564 81585 82477
Oregon 28881
Poland 29503
Texas 5186 82490
Uganda 21012 21254 29498
West Africa 5207
California 4469
Canada 64476
China 21263 38264* 38274* 38283* 38284*
collecting and preserving 37548 55835 55836 55846 82452 82456
Congo 38268*
control 12396 12407 28920 55368 63837 81515 81551 81505*
Africa 28843
Asia 81593
associations 4307 28823 37536 55361 63861 81360 81448 81457 81500 81554
bibliographies 4568 55349
biological 28891 37546 46985 73178

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Item

Mosquitoes--Cont
control--cont
California 28823 28847 28880 28887 28899 28900 55280 55310 63861 81445 81498 81525 81530 81607 92032
Canada 46400 81604
conferences and congresses 28823
Delaware 81480
Delaware Basin 81501
Denmark 28816*
equipment 4554 28815 28867 28873 28876 28890 28898 28912 55291
Florida 37536 55286
Great Britain 73076
history 37542 46400
India 55331 81410
international 28938
Italy 28824*
Maryland 81523 81548
Minnesota 28821
Nebraska 81563
Nevada 55266
New Jersey 81453 81479 81491 81509 81531 81549 81554 81585 81590
New York 81591
New Mexico 55316
Nigeria 12392
Northwestern States 28889
Ohio 73178
Oregon 28881
Pacific area 55317
policies and programs 1971 4545 28891 28926 28932 55249 55296 55365 81453 81468 81500 81501 81560 81580 81590
public relations 28926
reviews 28888
study and teaching 55356 81581
tests 20585 20620 20654 28829 28845 28849 28850 37588 55286 55309 55316 81471 81472 81480 81494 81511 81512 81513 81550 81583 81592 81603 92013*
Turkey 81476
Uganda 73139
USSR 37600* 55322* 92025*
Utah 28826 55361
cytology 29502 21262*
Czechoslovakia 5197
Delaware 82470 82491
dissemination 4511 5181 33270
ecology 46980 82460 82484
California 29497 38259 73721 73722 82456 82457
Colorado 29486
Georgia 5200
Malaya 21261
Philippines 82479
Poland 82462
Republic of South Africa 29505
reviews 28888
eggs 5190 55839 82461 82468 92484 38261* 55843* 73724*
Ethiopian Region 46986
evolution 20673
flight 5187
food and host plants 12908

Item

Mosquitoes--Cont
genetics 20673 81369
geographic distribution 5207 21261 29505 38259 64476 73721 73722 82456 82470 12412* 37602* 82459* 82485* 82493*
habits and behavior 5183 5200 5208 12912 21012 21263 21267 38257 38263 55837 73725 81471 81472 81494 82453 82462 82474 82492 92479 38274* 38275* 38277* 64473* 82489*
reviews 37569
Hawaii 4511
hosts 4497 12909 55353 55837 55846 64474 81520 55299*
hybridization 92482 82451*
Idaho 73720
identification 4469 55356 55364 82481 82463*
insecticide resistance 4326 4394 4407 20585 20673 28771 28779 28802 81395 4408*
Italy 29490*
Ivory Coast 38266*
larvae 4536 5180 29502 55836 82452 82484 92487 21256* 55829*
anatomy and physiology 20680 29487 38273 92484
California 46978
Colorado 29486
diseases 5199
Finland 38272*
Florida 55286
Iraq 38279
Neotropical Region 82463*
parasites 29511 81525
Peru 82493*
Poland 29503
predators 5191 12911 55277 81406 81607
Utah 82464
Macao 82486*
Malaya 81538
Maryland 5194
Mexico 21266*
Neotropical Region 82493*
Nevada 82461
New Zealand 73723
Nigeria 38257 82482
nomenclature 46983 82472 92486
nutrition 81519 92487
Ohio 82471
Oklahoma 21259
Oregon 82480
Oriental Region 12913
Panama 29492*
parasites 5199 5203 20616 20652 46978 46979 46985 38262*
populations 21012 28826 29499 81469 81539 82462 82466 82489* 92036*
predators 28791
pupae 5180 29487 92484 92487 38255* 38272* 82476*
rearing and breeding 20654 38267 55844 82454 82460 92483 92487 82451* 82473*
Republic of South Africa 29505 82475

Item

Mosquitoes--Cont
research
statistical methods 81469 92488
reviews 81586
Rumania 82487*
Sahara 5182*
sonification 73725
sterilization 81603
stratification 29486 38266* 64471*
surveys
China 38260* 38265* 38278*
Cuba 37602*
France 82455*
India 55332 55344 55363 92050 92479
Malagasy Republic 82465*
Mali 73152*
Nevada 29489
Nigeria 81539
Poland 29504 29510
Sahara 5182*
Tanganyika 92055
USSR 55832*
Utah 29499 55838
Vietnam 37566*
Tanganyika 21257*
taxonomy 5206 46982 46984 64476 92486 21258* 55834* 82450* 82458*
Tennessee Basin 29488
Texas 82490
Uganda 55833
USSR 64435* 92480* 92485*
Mosses SEE Musci
Mostuea 76959
Mother Tree Scheme (Gt Brit) 68037
Mothproofing SEE SUBHEAD insectproofing UNDER Containers; Textiles
Moths
abnormalities 5359
anatomy and physiology 21363 29691 82714 82758 82805 20900* 29743* 81814*
as pests 12653 20819 64014* 73352* 92152*
collecting and preserving 5459 5470 5508 73811 82661 21362* 55962* 92590*
control 20864 81841 29102* 73321* 73319*
dissemination 82657*
ecology 73843*
eggs 5500 81774 92589*
food and host plants 29655
geographic distribution 55934
Germany 92619*
Great Britain 5366 5369— 5371 5416 12993 29630 29649 29722 38443 47193 64576 64591 64592 73807 82684
habits and behavior 5405 29691 82700 82714 20900*
illustrations 47193
Ireland 5345 47193
Israel 55960
Italy 55934
Japan 29705 82738* 82796*
larvae 13023 81774 82796* 92589*
migration 29641 29669 38465 64657
outbreaks 92227*
parasites 47104 55960 64531 73666 81809 82680 92227*

Item

Moths--Cont
Peru 64642
Portugal 21373*
predators 81809
pupae 92589*
rearing and breeding 5359 73332 82661 82711 55938*
Rhodesia and Nyasaland 13023
Scotland 64674
USSR 92515*
SEE ALSO Clothes moths
Motion pictures 5327 7990 21464 22369 70974 53952*
SEE ALSO Films; Photography; Visual aids
Motion sickness 45736
Motivation research 56367 94741
Motley dwarf
carrots 24431*
Motors 38864 93014 21756* 56322* 73996*
diesel 56245* 83293*
electric 13418 74372 13178* 13402* 47612*
parts 5906 5907
SEE ALSO Engines
Mottle
beans 50465
broadbeans 33403*
cacao 50473
strawberries 33375*
sugarcane 50460
Mougeotia 42497* 42625*
Mound L A 64688
Mt Baker National Forest 44602
Mt Hood National Forest 2789
Mt Jefferson Primitive Area 2789
Mountain ash SEE Sorbus
Mountain hemlock SEE Tsuga mertensiana
Mountain meadows 43236 47391
Mountain oak SEE Quercus douglasii
Mountain pine beetle SEE Dendroctonus monticolae
Mountain Run Watershed Project Culpeper Va 10141
Mountain sickness 53859*
Mouth
cats 63067
dogs 36833 63067 27970* 45738* 63048*
foxes 54581
sheep 28531*
Mouth parts 5024 5170 5573 13047 21108 21477 21504 47026 64357 64557 82498 82509 82510 92373 92511 29225* 46839* 55845* 55868* 82427* 92447* 92661*
mites 73568 55667*
Mowing
equipment 8955 47407 56166 64886 21681* 74120*
Germany 21633*
parts 56178* 83099* 92863*
Switzerland 74131*
USSR 47421*
MSO test SEE Milk souring organisms test
MTS SEE Machine tractor stations
Mucic acid 51564 39159*
Mucilage 3425 16921 34334 57493 87292 51534*
Mucins 3425 3460 69197*

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Item

Mucizonia sedoides 41475
Mucoids 31251 74706 88142* 90977*
Mucopolysaccharides SEE Polysaccharides
Mucoproteins SEE Mucoids
Mucor 68354
Mucoraceae 50657
Mucorales 242 1343 50138 58764 59412
Mucormycosis 27997 12110*
Mucosal disease 36725 54252 54402 62746 72169 72212 91042 11565* 72238* 80221* 80283*
  Denmark 27704*
  France 72155*
  Germany
    East Germany 54320* 80465*
  Israel 62854 62880
  Michigan 80219
  Sweden 19809*
  SEE ALSO Rhinotracheitis; Virus diarrhea
Mucous membranes 3177* 14346* 62744*
  cats 54508*
  cattle 3539 27812 54374 62623 80206 80261 80404 91023 27872* 27879* 45583* 72149* 72247* 90962* 91103*
  swine 28688* 46247* 55092*
Mud
  effects on insecticides 81510
Müellerius capillaris 63466*
Muellerius infestation SEE Lungworms
Mühlen- und Mischfutter-kalender 65906*
Muhlenbergia 251
Muhlenbergia mexicana 15797
Muhlenbergia schreberi 70024 70047
Muir A 58420
Mukherjeella caprae 28458
Mulberries 30946*
Mulberry SEE Morus
Mulberry heart disease SEE Microangiopathy
Mulberry juice 75198*
Mulching 2371 10328 10336 26272 34688 35098 35469 44308 52172 52415 52452 52876 52877 52879 53032—53034 53322 60749 61917 67679 68929 70374 78777 87857 89039 89790 43898* 89439*
  bibliographies 2030
  Brazil 89792*
  East Africa 78387
  equipment 92768*
  Florida 58990
  France 44324*
  Germany 26364
    East Germany 44285* 61468*
  Maryland 61462
  Minnesota 10330
  Netherlands 13206*
  Pennsylvania 61462
  Poland 70678*
  reviews 10326
  Tanganyika 61477
  USSR 78774* 89816*
  SEE ALSO Tillage, stubble-mulch; and SUBHEADS culture; mulch UNDER specific subjects

Item

Mules 3791 28087*
  SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, and pests
Mules' operation 4103
Müller-Thomas H 49828*
Mullerian ducts 37048
Multiple Use-Sustained Yield Act of 1960 2784
Mundkur B B 58424
Mung beans 43057
  anatomy and physiology 16846 34093
  biochemistry 16941 16957 34327 69172
  enzymes 9296 51475 88195
  India 25839 31075 34925
  Pakistan 84403
  research
    statistical methods 84401
  varieties 25472 43650 69981 1857*
Mungo beans 16921 24740 68510
Munich Bayerische Landesanstalt für Landkultur und Moorwirtschaft 35484* 35516*
Munich Deutsches Museum 15217* 73948* 74643*
Munich Gesellschaft für Ernährungsbiologie 41059*
Munich Technische Hochschule 40864*
  Fakultät für Landwirtschaft und Gartenbau 66946*
  Staatliche Molkereischule 93436*
Munich Universität
  Institut für Holzforschung und Holztechnik 26697*
Munich Wissenschaftliche Station für Brauerei 83674* 83675*
Munich Zoologische Staatssammlung 92372*
Munsell color system 70453
Münster Institut für Genossenschaftswesen 76489*
Muratov E A 76711*
Muresk Agricultural College 49503 85888
Murraya koenigii oil 31394
Musa 32817 59651 69065 86936
Musa acuminata 1342
Musa balbisiana 69065
Musa paradisiaca 75096
Musa textilis SEE Abaca
Musaceae 42281
Musanga cecropioides 59830
Musca 67542*
Musca autumnalis
  control 4476 4478 4479 12386 46389 55548 63720 73165 81477 81481 81596 81597 81602
  tests 4576 28840
  Georgia 73138
  habits and behavior 21217 73165
  Indiana 37530
  Maryland 37535 73146
  parasites 5067
  reviews 5147
Musca domestica
  age 64185
  anatomy and physiology 4523 5054 5066 5131 29415 37446 46968 64447 81405 82401 92426 92464 63870* 91970*

Item

Musca domestica--Cont
  and disease 4556* 46414* 63870*
  breeding places 81547
  control 28896 37528 46380 55333 63862 64036 73172 81522 46411* 55197*
  biological 28974
  Denmark 4460*
  Switzerland 4450
  tests 4393 4464 4518 4529 4576 4590 12323 12383 12387 28834 28851 46406 55321 55347 63720 63790 63819 63863 81363 81387 81415 81416 81419 91963 91970 20612* 46415*
  Turkey 81476
  USSR 28927*
  eggs 4951
  enzymes 4551 37481 81386
  genetics 5107 20556 20583 73706 81386
  habits and behavior 5128 82380 82416 92464 92054*
  identification 20871*
  insecticide resistance 4362 4393 4450 12320 12323 20556 20560 20583 28776 28798 37446 37481 55237 63720 63751 81363 81386 81419 55197* 55199*
  larvae 64445*
  nutrition 63863 64447
  parasites 5309
  populations 73144 55809* 92054*
  predators 4908 4951 4963 29282
  pupae 21253
  rearing and breeding 29452 55797 63863 82407*
  test insect 63855 46365*
Musca domestica nebulo 12377
Musca domestica vicina 5159 73161* 81514* 91966* 92013*
Musca larvipara 73180*
Musca ochrapesus SEE Chyromya flava
Musca sorbens 82380
Musca vicina SEE Musca domestica vicina
Muscardine 4711* 12492* 64209*
Muscari 33453 61034*
Muscari macrocarpum 9700
Musci 86529
  anatomy and physiology 8866* 34138* 50962*
  Arizona 24043 32889
  Australia 4968 4969
  biochemistry 34260 16890*
  Canada 24038
  control 89294*
  culture 1785
  Cyprus 50105*
  cytology 33682 33747 68411
  Czechoslovakia 24055* 41504*
  ecology 8685
  Austria 24523* 87171*
  Canada 24038
  Germany 16247* 42091*
  Poland 8672
  Scotland 33505
  Sweden 16265
  USSR 59242* 87138*
  Yugoslavia 50614*
  France 32886*

Item

Musci--Cont
  Great Britain 205 78198
  India 24042 67535
  Italy 24040*
  Japan 58753 67543
  Laos 67544
  Latvia 58742
  Malaya 15836
  morphology 68309*
  Netherlands 8271*
  New Guinea 8268
  New York 41503
  New Zealand 34260
  Palestine 208
  Poland 24045 58749*
  Scotland 33747
  taxonomy 41503
  Thailand 67544
  USSR 24041*
Muscidae
  anatomy and physiology 12889*
  as predators 55778
  Bulgaria 92476*
  Ethiopian Region 46952*
  Great Britain 38155
  habits and behavior 82380
  larvae 38249
  North America 82421
  Palearctic Region 55801* 73687* 92454* 92455*
  parasites 5118
  rearing and breeding 82370
  Scotland 73703
  taxonomy 5053 46952*
Muscina assimilis 5118
Muscina stabulans 38249 73671
Muscles
  arachnids 29314 38008
  arthropods 55668* 55673*
  cattle 11573 11615 27854 36728 39925 48629 91150 14351* 27826* 39918* 54287* 54302* 72127* 72151* 80343* 80422* 80510*
  diseases 62898 80372 27789*
  dogs 63024 11780*
  guinea pigs 45866*
  horses 11824 91325*
  insects 4887 4889 5006 5066 5561 12751 12754 13058 21018 29243 38587 46750 46968 47252 55789 64254 64324 73513 82398 82546 92511 92586 29778* 37561* 38161* 38542* 55845* 73659* 82355*
  livestock 31251 31259 65995 93803 6902* 39912* 45361* 53976* 57244* 75397* 80785* 90765*
  pigeons 28272 45971 54765
  poultry 3918 11864 75618 75643 91449 37070* 37090* 80785* 91533*
  diseases 3968 72677 28265* 72671*
  rabbits 63378 12055*
  rats 36950 28139*
  sheep 91726 63439*
  swine 4278 6892 28555 48616 48627 63651 63692 75436 84607 37366* 63633* 91869* 91920*
Muscular dystrophy SEE White muscle disease
Museums 7761 7794 23522 38381 46851 12852* 15217* 46305* 46307* 73948

*Text of this reference is not in English.

Item

Mushrooms 34932
analysis and composition 56979 75103*
anatomy and physiology 59867 24636* 42784* 60233* 77671*
biochemistry 69171 77605
buildings 30070 38834 47575 47579 13116* 92991*
canned 94760 6711* 22422* 75105* 75154*
culture 26655 43652 61666 1855*
bibliographies 23728
Canada 69918
Denmark 9844
France 43599*
Germany
East Germany 43620*
Great Britain 35611 69933
Hungary 25795* 69939* 69978*
Japan 34897*
Netherlands 9806* 9852* 25861*
Spain 78167*
USSR 69958*
diseases 8325* 8326*
dried 6635* 22386* 75092*
enzymes 56979 84214
Europe 30988*
fertilizers 78694 25795*
freeze-drying 6027
freezing 57103*
fungus diseases 8433 77085*
Germany 56957*
grading and standardization 30988*
nematodes 33437 77284 12531*
Pennsylvania 39619
pest control 28991 8326* 12531* 29021*
pests 8325*
regulation and inspection 22385*
soils 69933 70876 9829*
spoilage 48404*
terminology 43605
toxicity 80565 80863*
yields 9816* 9829* 43620* 60233*

Music
effects on plants 88045

Musical instruments
wood 11084 71614*

Musidora furcata 5099*

Musidora lutea 5099*

Muskeg Research Conference 78300

Muskmelons
anatomy and physiology 42850 24365* 68865* 69108* 87643*
breeding 89119*
culture 1884 34881 42850 89216 89229 25838*
cytology 776*
disease resistance 16066
fungus diseases 16066 50423 24365*
genetics 42345
hardiness 59635*
hybrids 52080 25834*
morphology 59635*
nematodes 77265
seeds 48895* 59635* 69108*
varieties 776* 9828* 43588*
yields 42345

Muskrats 41662*

Mustard 22688*

Mustard gas 46919 55124

Mustard meal 7046 20462

Mustard oil 17229 22672 22718 22688* 54713*

Mustard (plant) SEE Brassica

Musts SEE UNDER Cider; Wine; and kinds of fruit juices

Mutation
algae 77429
Allium fustulosum 24715
Aloë 24692*
Anemone 16491*
animals 3795 20098 20100 20135 36961 45880 72457 3718* 11795* 59711* 62260* 91278*
Antirrhinum majus 77820*
apples 25623 34642 77422*
Arabidopsis 87453 906* 50895* 59733* 68479*
Aspergillus 68518 68689*
bananas 50894
barley 16454 16496 33764 50898 59683 1497* 8819* 24750* 77419* 87415* 87451* 87477*
Bombyx mori 29224 73501 4847* 37937* 37938* 64225*
broadbeans 51581 77423* 87398*
Chlamydomonas reinhardi 42698
Chlorella 16961 42343
Cochliobolus sativus 16488
Coleoptera 5041 21104 46865 73625 73641
Colletotrichum falcatum 959
Coriandrum sativum 24724*
corn 860 853 9063 16458 33804 42730 50835 87394 87410 24747*
cotton 59729 68500
Dactylis 68476*
Diptera 5072 12865 12873 21184 29440 29450 29491 38173 38194 38233 38247 46919 55766 55767 55770 55772 55798 55821 55825 64441 73704 82378 5122* 5163* 5164* 5165* 12878* 21186* 21248* 29470* 38224* 64446* 64448* 73707* 92472*
einkorn 33768 87405
Forsythia 920*
fruit 77461*
fungi 77434*
grain 59703*
grapes 87389*
Hymenoptera 47126 92535
Impatiens balsamina 68419
insects 73845
Kalanchoe blossfeldiana 50902*
lemons 87278*
Lepidoptera 4860 5469* 38495*
Linaria maroccana 77452*
Lolium perenne 899*
lupine 68496
Lycopersicon 16486*
Melandrium 59704
muskmelons 42345
Neurospora 854 8923 16433 16464 50839 50850 51469 88186
oats 936 16454 50410 68438*
onions 8817*
Ophiostoma multiannulatum 33817

Mutation--Cont
Orthoptera 5560
peas 42344 68425 24709* pigeonpeas 8806
plants 8762 8837 16420 42341 42356 42360 42370 42378 42383 42386 42391 42402 42407 42408 42416 42430 42433 42434 42435 59681 59684 68483 87446 882* 8822* 24728* 33772* 59711* 68424* 77424* 77443*
Puccinia coronata avenae 33211
redpeppers 1846 16421
Rhizobium trifoli 61237
Rhodotorula 16925*
rice 888 927 8812 42417 77437 33778* 59746*
Rosa chinensis 59745
safflower 24753
Schizophyllum commune 59723
Senecio vulgaris 720
sesame 908
shallu 33786
sorghum 874 917 24705 42415 50898
soybeans 68509*
sunflowers 68482*
tea 42404*
tobacco 33230 59718 42447* 68522*
tomatoes 16460 33760 68316 87382 87399 16697*
viruses 20981
wheat 16439 24688 24689 24765 33794 16440* 68416*
yeasts 33778 87464 59692* 87746*

Mutation Mink Breeders Association 3733

Mutillidae 82596 82629 38382*
Mediterranean area 29595*
Neotropical Region 29620* 82588* 82589*
United Arab Republic 21330*

Mutinus curtsii 59289*

Mutocneorrhinus n g 38100*

Mutton 6867 91741*
analysis and composition 14389 48641* 93823*
bacteria 39922* 84687*
contamination 6948* 6969*
costs and returns 76239*
fat 48642
flavor and odor 14389 22635
packing 31294
processed 6960 22635 31294 7001* 39922* 93882*
quality 6960 20428*
sanitation 7001*
spoilage 84687*
SEE ALSO Lamb meat

Myaptex n g 82382

Mycelia sterilia 89226

Myceliophthora 77085*

Myceliophthora lutea 8433

Mycena 41542 70341*

Mycena citricolor SEE Omphalia flavida

Mycerin 80405*

Mycetocytes 73755

Mycetophagidae 55717

Mycetophagus 82271

Mycetophilidae 29423 29473 38243*
Great Britain 64426
Japan 46959 82425 12895*

Mycetophilidae--Cont
Neotropical Region 82391 82392

Mycetophiloidea 29472*

Mycobacterium 6233* 27742* 63638* 73010* 78423*
reviews 45264* 71831*

Mycobacterium avium 3973 63296 90647 3163* 27814* 36656* 37091* 45559* 54423* 54439* 54799* 79856* 80894* 91096*
reviews 62814*

Mycobacterium bovis 3973 54409 90647 3163* 45633* 45634* 45691* 54287* 62859* 72183* 79856* 79864* 80422* 91096* 91189*

Mycobacterium johnei SEE Mycobacterium paratuberculosis

Mycobacterium microti 54318

Mycobacterium paratuberculosis 19514 27320 28524 37258 62878 63188 63471

Mycobacterium tuberculosis 28157 90647 3195* 3202* 39260* 51032* 65409* 79856* 79858* 83762* 83766* 93305*

Mycobacterium tuberculosis avium SEE Mycobacterium avium

Mycobacterium tuberculosis bovis SEE Mycobacterium bovis

Mycobacterium tuberculosis hominis 54360 36693* 45691*

Mycocepurus goeldii 5299*

Mycodiplosis 81759*

Mycology 255 33013 33017 52346 86581 8294* 45365*
bibliographies 23728 58771*
conferences and congresses 41539
Great Britain 16082 41539
Malagasy Republic 58771*
periodicals 41726
USSR 15678
SEE ALSO Fungi

Mycoplasma 79750 90602*
cattle 71892* 80231*
mice 91347
poultry 72603 72663 72706 20202* 37051* 54812*

Mycoplasma gallinarum 28239 72658 80835

Mycoplasma gallisepticum 3954 3972 3974 20228 37039 37093 72591 72619 72653

Mycoplasma hyorhinis 81305

Mycoplasma mycoides 11292 36956 53856 71800 80290 91123 91347

Mycorhiza 2146 2685 26107 26127 33721 44013 44042 50796 51078 51227 51228 51348 51428 52583 52596 52604 52612 52613 52623 59755 68390 70395 78418 79360 89532 10067* 10079* 10085* 16655* 19011* 24993* 35198* 44028* 50573* 70333* 70336* 71081*

Mycosis 19443 19571 77009 19511* 22144* 27310* 45242* 45365* 53981* 90582*

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Item

Mycosis--Cont
cats 11741*
cattle 3511* 36534*
chinchillas 20057
dogs 63043 3666*
horses 63141 63145 72426 20082*
insects 81992*
poultry 3960 63273 91470 72624* 91476*
sheep 20390*
swine 4234* 4249* 63619*
turkeys 91470
SEE ALSO Dermatomycosis
Mycosphaerella 290* 8298* 8300* 41534*
Mycosphaerella aleuritidis 16022 67941
Mycosphaerella berkeleyei 487 41827 77128
Mycosphaerella fragariae 58935
Mycosphaerella musicola SEE Cercospora musae
Mycosphaerella pinodes 8430 16093 424*
Mycostatin SEE Nystatin
Mycotic stomatitis 54401
Mycotoxicosis 53871
Mycrocystis aeruginosa 16800 51187
Mycromycetes 86582*
Mycterodus 46994*
Mydaidae 5135 46915
Myeloblastosis 20185 80841*
Myelois ceratoniae 55923*
Myeloma 12053
Myelophilus 21158 64330
Myelophilus minor 64364*
Myelophilus piniperda 38137 29390* 81872* 92249*
Mygalomorphae 29303* 82121*
Myiasis 63803 82402 20619* 55300*
man 37538 73177 28860* 46421*
rodents 4455 20689
sheep 20682*
Myina livens 12957
Myiopardalis pardalina 81688*
Mylloceroversus SEE Mylloceroversus (Mylloceroversus)
Mylloceroversus (Mylloceroversus) n sgen 55727*
Mylone 18064 8637*
Mylothris ngaziya 29261*
Mymaridae 21331 21339 47107 82579 92548*
Myndus 73761*
Myobia musculi 81455
Myocardial degeneration SEE White muscle disease
Myocarditis 3515* 20074* 72447* 79883*
Myocardium
cattle 71751*
horses 71751*
pigeons 45972
poultry 63270
rats 45858
sheep 71751*
swine 4251* 28639* 37349*
Myocardosis 79883*
Myochloris n g 32903
Myoglobinuria SEE Azoturia
Myoinositol SEE Inositol
Myoporum 33624*
Myosins 3096
Myosotis alpestris 87809 16328*
Myosurus minimus 16381*
Mypongia n g 4955
Myrceugenia 58671*
Myrcia 58671*
Myrciaria 58671*

Item

Myrciaria phytrantha 86472*
Myriactula 41514
Myriangiales 86555
Myriapoda 21042 29315* 64309*
anatomy and physiology 4942* 29320*
as pests 92127*
cytology 21065* 21066* 29316*
taxonomy 29320*
Myrica 35215 9972*
Myrica gale 82780
Myrica rubra 26897* 79356*
Myricaria 15813*
Myricaria germanica 16227*
Myriochile miréi 82324*
Myriophyllum spicatum 17710 17802 43807 52303
Myriostoma coliforme 41558*
Myristic acid 31332*
Myristica fragrans 68339
Myrmecobrenthus 82246*
Myrmecocystis 50128
Myrmecocystus 47089
Myrmecophilus 47217*
Myrmecophytes 12962*
Myrmecosicyos n g 67452
Myrmeleon 47256
Myrmeleonidae SEE Myrmeleontidae
Myrmeleontidae 13095 47232* 64567*
Myrmeleotettix maculatus 56004*
Myrmica 29589
Myrmica puerilis 73774
Myrmica rubra 29579
Myrmicaria 5270
Myrmilla 5270
Myrobalan plums 31637 42928* 60706* 81739* 86990* 88922*
Myrothecium 50291 77015*
Myrothecium roridum 449 8152 33253 55192 8441*
Myrothecium verrucaria 33735
Myrsinaceae 41488*
Myrtaceae 10972 11057 11110 27147 43000* 58671*
Myrteomera 76977
Myrtle whortleberry 18963* 18969* 44765* 47093*
Myrtus 58781*
Mysarus n g 82317*
Mysen Norway Haga Jordbruksskole 49488*
Mysore Farmers' Forum 30295 32204
Mystrocnemis 29601 92346*
Mystrophora lauta 92647
Mythimna 82766*
Mythimna albipuncta 5475*
Mythimna 1-album 5475*
Mytilococcus beckii SEE Lepidosaphes beckii
Myxoma 19779
Myxomatosis 4024*
Australia 4018 14666 80944
France 54870*
immunization 80938*
transmission 37152 73142 37516*
virus 20308* 37516*
Myxomycetes 42670 67618 67624 71799
anatomy and physiology 16734 42927 50960 51123 51317 51435
Arizona 41546
cytology 59628 68249
Czechoslovakia 67659*
India 301 32964

Item

Myxomycetes--Cont
Indiana 58793
Japan 24082*
morphology 739 50739 59460
Netherlands 67623
Myxophyceae SEE Cyanophyceae
Myxosporium 245* 8284*
Myxoviruses 37095 54036 54754
Myzocallis 82508
Myzocallis walshii 46667
Myzodes persicae SEE Myzus persicae
Myzomyia SEE Anopheles
Myzus ascalonicus 20726* 28953*
Myzus circumflexus 55462
Myzus persicae
anatomy and physiology 55848 82509 82510 82523 29551* 47029*
and plant disease 4642 20771 20776 29002 37657 46441 46506 55380 55427 55434 55462 63877 73191 81650 82565 92068 29012* 37641* 37652* 55430* 63904* 63968*
control 12447 12494 12508 12518 63929 81623 81712 91979*
California 28966 46441 81647
tests 55429* 63904*
USSR 29056* 55444*
cytology 46992*
habits and behavior 5243 29528 82509 82510
parasites 47090*
populations 73239 5251*
rearing and breeding 38325* 46991*
Myzus solani 21315

NAA SEE Naphthaleneacetic acid
Naaldwijk Proefstation voor de Groenten- en Fruitteelt onder Glas 25836*
Nabac 25 16110
Nabam 18064 77292 86912 8529* 58919*
Nabidae 12922 29562 29519*
Nabis 29519* 47035* 82548*
Nacoleia octasema 4704 46574 73306
Nacophorini 47189
Naesgaard Agerbrugsskole 66927*
Naesgaardsbogen 67159*
Naematelia SEE Tremella
Nagana 28915 91324
Nagyvathy J 67235*
Nahublattella ecuadorana 92630
Nahuelia rubriventris 82836*
Naias indica 41489
Nails (building construction) 56311
Nails (woodworking) 19159 19160 45157 53632 79620 90342 53625*
Najas SEE Naias
Nalassus 29353*
Naled 37528 55521 55536 81480 81549
Nallachius americanus 47250
Nandina domestica 1397*
Nanhermannia 12756*
Nanniresthenia n g 64480*

Item

Nannobotys n g 29702
Nannodynerus 64537
Nannopterochilus n g 64537
Nanocladius 46923
Nanoclavelia n g 82602
Nanomutilla 5270
Nanophyes 82274*
Nanorrhynchus 38198*
Naochila 64486
Naphthalene 4730*
Naphthaleneacetic acid
effects on plants 33907 59817 65723 9207* 16850* 24942* 87836* 88895*
residues 65723
alpha-Naphthaleneacetic acid 34186 69055 87898 25103* 34007* 43401*
Naphthenic acids
effects on plants 87736* 87884* 90208*
effects on poultry 80726 11875*
fertilizers 89679*
wood preservatives 19172
1-Naphthol 11363
alpha-Naphthoxyacetic acid 59760*
Naphthyl acetamide 88895*
1-Naphthyl-N-methylcarbamate SEE Sevin
N-1-Naphthyl phthalamic acid SEE ALANAP
Naphthylacetic acid SEE Naphthaleneacetic acid
Napomyza lateralis SEE Phytomyza lateralis
Naranjilla 78052*
Narcissus 17507 34703
Austria 9906*
breeding 17456 34701
culture 1756 89020
flowering date 34716 34838
forcing 17537
Great Britain 17473 17520 33455 81833
hardiness 34841
in philately 34855
industry 40221
morphology 59458*
nematodes 33455
pests 37761 81833
propagation 34006
shows 17501
Spain 15817
varieties 17521 34701 34716 34729 34785 34811 34823 34824 34838 34841 34843 89020 89043
weed control 17732
Narcissus bulb fly SEE Lampetia equestris
Narcissus tazetta 818 32768
Narcissus tazetta oil 57385*
Narcotics 79807*
Nardurus SEE Festuca
Nardus 1583 1603 34519
Nardus stricta 15712 2298*
Naringenin 9105 77658
Naringin 84198*
Narraga 47185*
Narrowleaf deervetch 42427 88565
Narthecius 82271
Nasal sinuses 11831*
Nasonia 38421 47126 82655
Nasonia vitripennis 73778 5321*
Nasonovia inflata 82552
Nassella 89334
Nassella trichotoma 16542 89271
Nasturtium SEE Tropaeolum
Nasuticladius n g 12874

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Item

Nasutitermes ephratae 82856*
Nasutitermitinae 38583 47253
Natal University Wattle Research Institute 18650 89990
Natalensia 21275
Nationaal Instituut voor Brouwgerst Mout en Bier TNO 56562*
National Academy of Sciences 7989 58376
National Agricultural Chemicals Association 23735
National Agricultural Credit Conference 31719
National Apple Institute 48375 84262
National Association of Artificial Breeders 3240 3287
National Association of County Agricultural Agents 85831
National Association of Marketing Officials 38952
National Association of Mutual Insurance Companies 40347
National Association of Poultry Packers 84895 84896
National Association of State Depts of Agriculture 79930 86118 90740
National Association of Wool Manufacturers 13982
National Auricula and Primula Society Northern Sect 69854 69855
National Board of Fur Farm Organizations 3734 67075
National Broiler Council 7142 48866
National Canners Association 39064
National Chinchilla Breeders of America 3736
National Christmas Tree Growers' Association 36108 79592
National Chrysanthemum Society 9742 43530
National Churken Association 80700
National Coffee Association 39137 39174
National Conference on Fruit and Vegetable Bargaining Cooperatives 6672
National Conference on Handling Perishable Agricultural Commodities 83421 83424 83425
National Conference on Land and People 76339 94589
National Conference on Social Welfare 32144
National Conference on Weights and Measures 56428
National Cotton Council of America 39532 56876
National Cottonseed Products Association 22709
National Council of Farmer Cooperatives 67013
National Credit Conference 14710
National Dairy Association of New Zealand 6184 93278 93279
National Dairy Conference (New Zealand) 93280
National Dairy Federation 6184 93278 93280
National defense 81518
National Education Association 32287
National Farmers Organization 49542
National Farmers' Union 14849 32247

Item

National Farmers' Union of England and Wales 32253
Seed Industries 49527
National Federation of Cold Storage & Ice Trades 56484
National Federation of Fruit & Potato Trades 75072
National Federation of Young Farmers Club 76455
National 4-H Club Foundation 58204 94715
National Gardens Scheme 76869
National Grange SEE Patrons of Husbandry National Grange
National Grape Co-operative Association 75144
National Hardwood Lumber Association 62110 62114
National Hay Association 65571
National Home Demonstration Council 23498
National Independent Meat Packers Association 66077
National Institute for Promotion of Dairy Products 83825
National Institute for Research in Dairying SEE Reading (Eng) University, National Institute for Research in Dairying
National Institute of Agricultural Botany 1427 1428 77841
National Institute of Agricultural Engineering 82923
National Institute of Farm Brokers 66866
National Inventory of Soil and Water Conservation Needs 2502 52682 53021 53023 53024 53031 53035 53037 53051 53059 53060 78964 89925
National Joint Industrial Council for the Flour Milling Industry 75328
National Live Stock and Meat Board 39949
National Live Stock Producers Association 84577
National Marketing Serv Workshop 5985
National Mastitis Council 54251 80370
Committee on Control Programs and Procedures 54383
National Milk Producers Federation 74668
National parks SEE Parks; and names of parks
National Peach Council 22374 84278
National Peanut Council 7028 75592
National Pecan Shellers and Processors Association 6659
National Plant Board 86682
National Potato Advisory Committee 1876 48284 56997
National Potato Council 48374
National Poultry Butter and Egg Association 66181
National Poultry Improvement Plan 36973 46075 54857 63350
National Power Farming Conference 56059 92711
National Productivity Year (Gt Brit) 85401
National Reclamation Association 70789
National Research Council
Agricultural Board 67284
Agricultural Research Institute 67284

Item

National Research Council--Cont
Committee on Agricultural Pests 93182
Committee on Pest Control and Wildlife Relationships 28759
Food Protection Committee 83477
publications 76038
National Research Council of Canada 8092
National Rural Health Study Conference 49489
National Sample Survey (India) 56301 56302 57623 57648 66443
National Shade Tree Conference 69856
National Silo Association 5878 74342
National Soybean Processors Association 31392
National symposium on dairy market development 47971
National Tax Association 85262
National Trust for Places of Historic Interest or Natural Beauty 1808
National Turkey Improvement Plan 12045 37142 63350
National Vitamin Foundation 41052
National Wool Growers Association 46165 63545
National Workshop on Promotion of Farm Products 83426
Nationale Cooperatieve Aanen Verkoopvereniging voor de Landbouw 49558*
Nationale Coöperatieve Raad 76491*
Natural history 67343*
Natural resources
Canada 76658
conferences and congresses 7995 31804 85341
conservation 33 8011 35588 50576 67172 76074 76696 86135 90024
Africa 46372*
associations 86348*
Australia 33557
Canada 52686 67154
conferences and congresses 67154
Connecticut 86108
Czechoslovakia 23880* 58717*
directories 32502
Estonia 15680*
Finland 67365
Germany 44889*
Great Britain 21372 63708 76335
India 85748*
Italy 76859* 86289*
Ohio 67161
study and teaching 76667 76685
Switzerland 41116* 76856*
USSR 49929* 86350* 86360*
Great Britain 8012
USSR 70405*
Naturhistorische Gesellschaft Nurnberg 86348*
Nauchno-Issledovatel'skii Institut Ovoshchnogo Khozyaistva 89214*
Nauchno-Issledovatel'skii Institut Pchelovodstva 73424*
Nauchno-Issledovatel'skii Institut Sadovodstva Vinogradarstva i Vinodeliya im R R Shredera 51901*

Item

Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Yugo-Vostoka 49882*
Nauchno-Issledovatel'skii Institut Zemledeliya i Zhivotnovodstva Zapadnykh Raionov USSR 42395*
Nauchno-Issledovatel'skii Institut Zhivotnovodstva Lesostepi i Poles'ya USSR 66910*
Nauchno-Metodicheskoe Soveshchanie po Povysheniyu Plodorodiya Legkikh Pochv 44235*
Naucoria 41542
Naucoridae 38294 38305 73745 82535
Naucoris 21284
Naumenko I M 86181*
Nauphoeta cinerea 46367* 47211*
Nautococcus constrictus 15839*
Naval stores 79579
Alabama 27158
extraction 2950 53677 2954* 2956* 62175*
USSR 45101* 62176* 62177* 90439*
Yugoslavia 71545*
France 11063*
Georgia 11067
history 19294
industry 36093 36097
marketing 53681
policies and programs 53678
products 19295
situation and outlook 11064 27160 79581
Spain 53679
statistics 2957 71554
trade 36095 79580
USSR 27157* 27159* 45102* 53462*
Navel infection 72669*
Navicula 15830* 32927*
Navicular disease 11842*
Neadasytes n g 82271
Neaneflus 82236
Neanops n g 82227
Nearctodesmidae 82152
Neat's-foot oil 39909
Nebraska Academy of Sciences 7992 86119
Nebraska Agricultural Experiment Station
report 32604
Wheat Quality Laboratory 22502
Nebraska Board of Agriculture 31859
Nebraska Grain Improvement Association 77878
Nebraska Reclamation Association 70790
Nebraska State Irrigation Association 70790
Nebraska University College of Agriculture
Extension Serv 23493
Nebria 73622
Nebria nivalis 38108
Nebrioferonia 82247
Neburon 52170 52320 74403 75110
Neck 91180* 91558*
Necremnus 47072
Necrobacillosis
deer 11289* 36282* 53913* 90674*
minks 28080
sheep 37208* 81109*
Necrophorus 82784*
Necrophorus interruptus 73602
Necrosis 59062 69067*
corn 9063
grapes 67716* 87012*
mangoes 33895
oranges 24915*

*Text of this reference is not in English.

Item

Necrosis--Cont
potatoes 61395
tobacco 50492
wheat 24713 86650*
Necrotic enteritis 80789*
Necrotic ring spot
cherries 548 549 87016
fruit 87065
Nectandra SEE Ocotea
Nectar 1300 20975 34312 42345 64155 73409 1387* 25090* 29197* 55178* 68914* 69042* 70150* 81980*
Nectarines 60703 69745 88890*
Nectaroscordum tripedale 16229*
Nectria 16322 67907 16029* 42318* 58937*
Nectria elegans 77195*
Nectria galligena 8524* 24262* 41877* 67909* 68749* 86921*
Nectria gliocladioides 16322
Nederlands Instituut van Landbouwkundig Ingenieurs 49535*
Nederlands Instituut voor Zuivelonderzoek 83943*
Nederlandsche Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek 41234 15600*
Nederlandsche Heidemaatschappij 10397* 76449*
Nederlandse Bosbouw Vereniging 44554*
Nederlandse Pluimvee Federatie 57426*
Nederlandse Zuivelbond 6380*
Nedinoptera 12951*
Needle blight
Pinus strobus 8367
Needle cast
Larix 58946
Picea 58946
Pinus sylvestris 16041* 16042*
Pseudotsuga menziesii 86941
Needle scorch
Pinus ponderosa 19030
Neella 64479*
Neem gum 85125
Negri G 67218*
Negroes 15346 49412
directories 32218
education and training 7778 58130
extension work 66904
farming 85689
Neguvon SEE Dipterex
Neighborhoods SEE Communities
Nelumbium 34917
Nelumbium nelumbo 1396 60296 68958* 87217*
Nelumbium nuciferum SEE Nelumbium nelumbo
Nelumbo SEE Nelumbium
Nemadiopsis 5043*
Nemadus 82334*
Nemapogon 13046* 38498* 64698*
Nemapogoninae 82808*
Nemastoma 55687*
Nemastylis floridana 160
Nematinae 92537
Nematocera 82377 92437 64435*
Nematocerus brevicornis 28955 81632
Nematocides 465 613 16051 47749 59201* 87106*
application 20564 33435 59218 77265

Item

Nematocides--Cont
effects on plants 24841
residues 65076 65700
Nematodes 8620 16192 36357
Brazil 87122* 87123*
ecology 42077* 61187*
larvae 54015
SEE ALSO UNDER Insects; Livestock and names of animals; Plants and names of plants
Nematodirus 4142 36607*
Nematodirus battus 81055
Nematodirus filicollis 54918
Nematodirus infestation SEE Thread-necked worms
Nematodirus spathiger 4147 54918
Nematogmus 82180
Nematospiroides dubius 80679
Nematus melanaspis 92457*
Nematus pacifica 21336
Nembutal SEE Pentobarbital
Nemeritis canescens 5397 64545
Nemesia caementaria 4911* 82121*
Nemesia dubia 82121*
Nemobius sylvestris 13061*
Nemopalpus 82433
Nemophora raddei 38481*
Nemorius 38222
Nemotelus (Melanonemotelus) 38190
Nemotelus (Nemotelinus) 38190
Nemoura 21502 21485*
Neoaplectana glaseri 38105
Neoarsphenamine 27345*
Neo-benthamia gracilis 89012
Neobisiidae 82126
Neobisium 21053 82126
Neobisium jugorum 82202*
Neocallitropsis SEE Callitropsis
Neocamptomyia SEE Camptomyia (Neocamptomyia)
Neocarmine B 66004*
Neocatolaccus 12954
Neochamus n g 38088
Neocheiridium 92317*
Neochloris 41510
Neocoelidiinae 55860
Neocoenyra 55935
Neodesmus 38041
Neodipara 38368*
Neodiprion lecontei 21321 73382 82408
Neodiprion pratti pratti 4759 4761
Neodiprion sertifer 21321 29590 55889 73382 73379*
Neodiprion swainei 21337 37813 64552 73788 81910 82436
Neodryocoetes 64379*
Neodypsis decaryi 162
Neoempheria 29423 29472*
Neofabraea malicorticis 33249
Neogomesia 86415
Neoheegeria 5637
Neohydrophilus 38135*
Neoilexonol 11060
Neoischnolea n g 82225*
Neoleptomias SEE Leptomias (Neoleptomias)
Neolinyphia n g 82180
Neolochmaea 82215*
Neomaenas poliozona 92592*
Neomicropteryx nipponensis 92629*
Neomochtherus analis 21246*
Neomochtherus nairicus 73701*
Neomolgus 4933*
Neomolgus littoralis 21046
Neomonosphora furcellata 16397*
Neomoorea 15726

Item

Neomycin 45990 72975
Neomysia oblongoguttata 55569*
Neomyzus circumflexus 81797*
Neoneella 64479*
Neonevisanus 47004*
Neonitocris 92346*
Neonyssus melloi 73155
Neonyssus zenaidurae 81474
Neoperiboeum n g 5014
Neophasia menapia 20880
Neophilaenus 46994*
Neophilopterus 5594
Neoporpacella n g 82534*
Neoregelia 32858
Neorhacodinae n sfam 92542*
Neorhaphiomydas 5135
Neorickettsia 54300*
Neosaltusaphis n g 55861
Neosaltusaphis bodenheimeri 55861
Neosaropogon (Lycotherates) n sgen 82382
Neoschongastia gallinarum 38034* 38035*
Neoseiulella n g 4941
Neosorius 64340*
Neostomella 32946*
Neostrongylus linearis 63466*
Neosybra 46816*
Neotermes 21503
Neothallis 82248*
Neothomasia pruinosae SEE Lambersaphis pruinosae
Neothona 82215*
Neotrachyostus n g 82232
Neotrichia 29785
Neotrichophoroides n g 5014
Neotrombicula texana 73576*
Neottiosporina n g 41578
Neoxabea 64710
Neoxenapates 64554
Neozephlebia SEE Zephlebia (Neozephlebia)
Nepa cinerea 92529*
Nepenthes 42651
Nepeta 67446 86496*
Nepeta transcaucasica 84794*
Nephalioides n g 5014
Nephantis serinopa 4671 12535 29602 48954
Nephelium lappaceum SEE Rambutan
Nephila 82201
Nephodinus 38082*
Nephopteryx obductella 5361
Nephotettix cincticeps 47010 81663 81668*
Nephritis 28029 28031 3698* 45751* 63022*
SEE ALSO Chronic interstitial nephritis
Nephrocytium 67561*
Nepidae 21283 38294 92498 92512
Nepticula 82675* 92144* 92156*
Nepticula lindquisti 82708 82743
Nepticula pomella 92577*
Nepticulidae 5367 64644 92577*
Nepticuloidea 21391
Neptis 55935
Nepytia phantasmaria 5395
Nerax n g 82382
Nereocystis luetkeana 16335
Nereodictyon n g 41512*
Nerium indicum 87898
Nerium odorum SEE Nerium indicum
Nerium oleander 9235
Neroli oil 7079
Nerthra 5263
Nerve block 45665 91252 19904* 63169* 82835*
Nerves 45279* 79749*
arachnids 21051
arthropods 55700* 55701*
cats 20010 45322 63029 72313*

Item

Nerves--Cont
cattle 36637* 54274* 63169* 72123*
dogs 45322 63050 91234 72298* 80566*
goats 54975*
guinea pigs 11854
horses 11840* 20086* 63169*
insects 5022 5467 5559 5584 13050 13051 29255 29480 29774 29775 55204 55208 55209 73513 73535 73897 82760 82854 92632 12679* 29343* 37928* 38199* 46702* 46703* 64514* 73456* 73862* 82784* 82835* 92294*
laboratory animals 80677
poultry 3920 37109 72618 91491 91558*
rabbits 45322 28402* 80945*
rats 91341*
sheep 63501* 91707*
Nervilia 41445
Nervous system 11229 19617 90600 11148* 11149* 19600* 71769* 90646*
arachnids 46804
asses 36913
camels 19585
cats 3696 45753 80524* 62924 27826* 45617* 54353*
diseases 19785* 19837* 19868* 45630* 72152*
diseases 53995 53873* 71796*
dogs 36832 36808* 45783*
diseases 3696 45750 63032 80555
ducks 37028
guinea pigs 45866*
horses 3766* 72417*
insects 4995 5227 5467 5567 12726 12801 13070 21446 21447 29243 29752 29776 29780 37481 37766 37999 55915 55996 55998 55999 64701 64708 73755 73876 82853 82854 21474* 29240* 29778* 29809* 38542* 38552* 55625* 56017* 73536* 73874* 73888*
reviews 37990
laboratory animals 11851*
poultry 20210* 28265* 45980* 54772*
rabbits 20424* 54862*
reviews 36214*
sheep 20420 20424* 28456* 37211* 37215* 81030* 81033*
swine 36913 46257 55070 55118 28653*
Nesenicocephalus 38347
Nesiacarus n g 29291
Nesiotomina n g 29368*
Neslia apiculata 41358
Neslia paniculata 41358
Nesoporogaster 64284
Nesorthia n g 55854
Nesostizocera n g 5014
Nesotes 46822*
Nessler's reagent 30529* 65998*
Nests SEE UNDER Insects; Poultry
Net blotch
barley 513
Net necrosis
potatoes 24408

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Item

Netherlands Directie Tuinbouw 25533*
Netherlands Rijkslandbouwconsulent voor Utrecht 76419*
Netherlands Rijksveeteeltconsulentschap 71927
Netherlands Voedingsraad 15442* 41053*
Netrium digitus 33649*
Nettorhynchus armillatus 12398
Neubauer technique 26257*
Neumania agilis 38059*
Neuraminic acid 56637*
Neuraminidase 83803
Neuraphes 82258*
Neurigona 21196
Neurinoma 19837* 72159*
Neuroleon nemausiensis 47232*
Neuronia clathrata 82879
Neuroptera
  anatomy and physiology 5587 29788* 29809* 64743* 92668*
  as pests 28962
  as predators 47256
  California 20610
  China 47248
  Comoro Islands 29261*
  Czechoslovakia 5658 92674
  Great Britain 13074 38572 82881
  identification 5658 38593
  Japan 29801 29802
  Korea 82885
  larvae 29812 47250 56046*
  nomenclature 5655
  nutrition 47256
  Republic of South Africa 21511
  Rumania 47232*
  taxonomy 92655*
  Thailand 56036
Neurospora
  anatomy and physiology 24883 60183
  biochemistry 1336 25229 33777 34261 43013 51469 68484 77818 88130 43036*
  cytology 847 33796
  enzymes 88130*
  genetics 856 887 16433 33796 33801 50839 50907 68484 77430
  morphology 8717
Neurospora crassa
  anatomy and physiology 1032 8923 16661 33904 33976 51136 51319 51362 51416 67900 68777 77529 77553 77588 87902 87903 16637*
  biochemistry 9248 16895 16899 16932 16967 16983 25215 25262 34283 34325 42938 42966 51570 87445 88145 88186 42964*
  cytology 16377 33738 68404
  enzymes 88138
  genetics 854 931 8828 16464 33690 50850 50870 50911 87445
  morphology 8786 33690 50656 50801
Neurospora sitophila 24970
Neurosymploca affinis 29657
Neurotomy 90610*
Neutral red 12251* 70313*
Neutron activation analysis 65076 65700 87816*

Item

Neutron moisture meter 52404
Neutrons
  effects on plants 736 921 8762 16439 24689 24727 42622 59681 68463 1033* 1388* 1398* 33727* 42413* 71251*
  effects on seeds 912 9192 24706 87820 735*
  in soil research 2013 2048 2063 17898 26014 26017 26038 35162 43929 52380 52424 61082 70212*
Nevada Agricultural Experiment Station 88292 90654 90772 94647
  history 94946
New Brunswick Dept of Agriculture 76669
New Brunswick Dept of Lands and Mines 49255
New Deal 8014
New England Botanical Club
  Committee on Plant Distribution 23930
New Forest (Gt Brit) 5523 13026 79052
New Frontier 31814 32285 76070
New Hampshire Horticultural Society 78026
New Hampshire Planning and Development Commission 84256 84257
New Hampshire-Vermont Breeding Association 36434
New Horizons for Black Hills and Wind River Lumber Sawmill Clinic 90336
New Jersey Agricultural Experiment Station 23846 58471
New Jersey Dept of Agriculture 49763
New Jersey Mosquito Control Commission 81479
New Jersey Mosquito Extermination Association 81554
New Mexico Economic Poisons Control Off 86121
New Mexico Forestry Dept 2568
New Mexico Land Off 49282
New South Wales Dairy Products Board 93281
New South Wales Dept of Agriculture 89558
New South Wales Dept of Conservation 2447 78948
New South Wales Dept of Lands 94419
New South Wales Dried Fruits Board 31044
New South Wales Forestry Commission 18693 90033
New South Wales Milk Board 74671
New South Wales Registry of Co-operative Societies 58224
New South Wales Rural Reconstruction Board 66562
New South Wales Soil Conservation Serv 78949
New South Wales Water Conservation and Irrigation Commission 10398
New York and New England Apple Institute 14076 84233 84234 84261
New York Botanical Garden 41245
New York Coffee and Sugar Exchange 30398 30399 39199 65321

Item

New York (Cornell) Agricultural Experiment Station report 94954
New York Dairy Herd Improvement Cooperative 72273
New York Entomological Society 28738
New York Farm Electrification Council 74361
New York Produce Exchange 84263
  directories 21825 84264
New York (State) Agricultural Experiment Station 69788
New York State Association of Milk Sanitarians 47899
New York State College of Agriculture (Cornell University) 7803 47899
  Dept of Plant Breeding Biometrics Unit 8835
  Extension Serv publications 32196
  publications 14675
New York (State) Conservation Dept
  Div of Lands and Forests 31987
  Forest Tree Nursery Saratoga 44800
New York (State) Dept of Agriculture and Markets 76670
New York State Horticultural Society 78023 78027 84161
New York (State) Joint Legislative Committee on Natural Resources 26720
New York State Mastitis Control Program 11723
New York (State) University
  College of Forestry at Syracuse 79329
  New York State Ranger School at Wanakena 61703 90022
New York State Veterinary College 71810
New Zealand Apple and Pear Marketing Board 6673 65736
New Zealand Co-operative Dairy Co 6275
New Zealand Co-operative Rennet Co 6184 93278
New Zealand Dairy Board 39411
New Zealand Dairy Products Marketing Commission 56689
New Zealand Dept of Agriculture
  Ruakura Animal Research Station 79981
  Wallaceville Animal Research Station 79981
  Whatawhata Hill Country Research Station 79981
New Zealand Dept of Island Territories 23187
New Zealand Dept of Lands and Survey 15008 66675
New Zealand Dept of Scientific and Industrial Research 32605
  Crop Research Div 34363
  Grasslands Div 25464
New Zealand Egg Marketing Authority 57428
New Zealand fiberlily 1531 60496 89339
New Zealand Grassland Association 1602 88630
New Zealand Meat and Wool Board 91740
New Zealand Meat Producers Board 6883
New Zealand Microbiological Society 23736
New Zealand Milk Board 74672

Item

New Zealand Potato Board 84160
New Zealand Poultry Board 57428
New Zealand Science Congress 94852
New Zealand Tobacco Board 31614
New Zealand Weed Control Conference 43778
New Zealand Wool Board 39534
New Zealand Wool Commission 6545
Newcastle disease 20267 37035* 54786* 54831* 63308* 72634*
  Africa 37105
  Argentina 63310*
  conferences and congresses 37035*
  control 46047 72601 80852*
  Czechoslovakia 46050*
  Denmark 46005*
  diagnosis 63259
  hamsters 36955
  immunization 37026 37087 54777 63299 80872 91489 91535 3893* 3957* 20238* 28324* 28336* 37017* 37035* 63324* 72649* 72665* 72689* 80795* 80815* 80860* 91515*
  reviews 54788*
  Indonesia 37068
  Kenya 37111
  man 79775
  Netherlands 54777
  pheasants 20273*
  pigeons 72676*
  prevention 91539*
  Puerto Rico 72630
  resistance 3816
  treatment 45969*
  turkeys 37087
  vaccines 12014 37016 37026 80820 80872 91535 3893* 20238* 28336* 37030* 37033* 37035* 54750* 63280* 63324* 72649* 72689* 80821* 80860* 91514* 91515*
  virus 20183 20187 20218 36955 37031 37076 37095 45323 46253 54016 54798 54811 54822 54823 63259 72630 72703 79872 91519 3892* 12010* 28246* 28324* 28325* 37017* 37030* 37098* 46031* 46050* 54789* 54796* 54810* 59164* 63280* 72665* 72684* 80816* 80854* 80870* 91483* 91538* 91554*
  reviews 37005*
  Yugoslavia 80852*
Newcastle (Eng) Cattle Market 48666
Newfoundland Forest Protection Association 35845
Newman J S 67193
Newportia 92319*
Newsprint 2910 62147 79538* 90416*
Nezara antennata 21286*
Nezara viridula 21286*
Niacin
  effects on cotton 87540*
  in animal physiology 36818 55062 63386*
  in coffee 86037
  in grain 6758 14223 22519 75274 69045* 86076*

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Item

Niacin--Cont
in human nutrition 41042
in meat 75657
in plants 9234 51136
in poultry nutrition 3853 80768
Niagara Frontier Co-operative Milk Producers' Bargaining Agency 83834
Nickel 8959 41777 93930 53886* 62912* 89510* 93915*
reviews 65170*
Nickel chlorides 24326 41870
Nickel sulfates 16002
Nicolai M F E 58435
Nicoletiidae 29816
Nicotiana
anatomy and physiology 16754 51385
biochemistry 60361 60279*
cytology 87291*
disease resistance 86813
diseases 9203 16129
genetics 904 905 925 8815 50912 60361
morphology 42260
nematodes 68055
seeds 16550*
Nicotiana glauca 87077
Nicotiana glutinosa
morphology 59404*
virus diseases 8598 16162 42050 50496 50510 24443* 33382* 41966* 41991* 50505*
Nicotiana langsdorfi 60361
Nicotiana plumbaginifolia 905
Nicotiana repanda 33429
Nicotiana rustica SEE Aztec tobacco
Nicotiana sanderae 69016
Nicotiana sylvestris 33429
Nicotiana tabacum SEE Tobacco
Nicotinamidase 42990 46033
Nicotinamide 7961* 49713*
Nicotinamide deamidase SEE Nicotinamidase
Nicotinamide mononucleotide SEE Pyridinium compounds
Nicotine
in insect physiology 4728 21387
in plants 34279 43050 51503 77790*
in tobacco 1389 7304 40206 51431 86971 25207* 25212* 42374* 42547* 87804* 88809*
Nicotine sulfate 63487 73184 81130*
Nicotinic acid SEE Niacin
Nicticoris n g 38300
Niditinea piercella 47183*
Nidroxyzone 11882
Niederosterreichische Okonomische Gesellschaft 15299*
Niedzwedzkia 15820*
Niedzwedzkia semiretschenskia 24535*
Niehans P 45785*
Nielsen F W 41197*
Niesthrea 47037
Nigella damascena 59356*
Nigeria Dept of Agricultural Research 94955
Nigeria Dept of Forest Research 10538 18652
Nigeria Dept of Veterinary Research 3164
Nigeria Eastern Region Forest Div 18679
Nigeria Eastern Region Ministry of Agriculture 23842

Item

Nigeria Northern Region Dept of Agriculture 32503
Nigeria Northern Region Forest Admin 35640
Nigeria Northern Region Marketing Board 13482
Nigeria Northern Region Ministry of Animal Health and Forestry Veterinary Div 3165 62434
Nigeria West African Stored Products Research Unit 4729
Nigeria Western Region Marketing Board 56399
Nigerian College of Technology
Ibadan Br 49931
Nigerseed oil 23688
Night soil 53065*
Nigrospora 8491 32997
Nigrospora gossypii 37619*
Nigrospora oryzae 411 67927*
Nihydrazone 11936 11941 11993 12015 45904 91473
Nikanoria 29618*
Nikethamide 91267*
Niklewski B 86186
Nikolskiella n g 73792*
Nilaparvata lugens 12943* 12944*
Nile blue 83812*
Nilevar SEE 17-alpha-Ethyl-19-nortestosterone
Nilobezzia 64460 64464 5079*
Nilsson H 23808* 86189*
9 alpha-F SEE Fluoro-9 alpha, hydroxy-16 alpha, delta-1 dehydrocortisone
95 % Clean Apple Club 77067
Ninhydrin reaction 9278 16915 16930 21169 34340 47661 55533 56918 60292 69173 13660* 93451*
Niphogeton 67473
Niphona 55717 29337* 46817*
Niphoparmena 92348*
Niphotragulus 29337* 82225*
Nippochaitophorus n g 47047
Nipponaclerda turanica 73792*
Nippostrongylus brasiliensis 20115
Nippostrongylus infestation SEE Hookworms
Nisin 83797 39371* 75216* 83947*
Nitella 51037 77776 87561* 87972*
Nitella flexilis 88051
Nitella inokasiraensis 16330*
Nitella opaca 42778
Nitella translucens 9222 34246 68847
Nitidulidae 12806 28769 29359 29365 46867 12815*
Nitocris 82225* 92346*
Nitophyllum punctatum 34141*
Nitragin 59937* 61231* 70335*
Nitrate reductase 1320 16624 16961 13743* 30510*
Nitrates
determination 65091*
effects on plants 33879 33976 42104
bibliographies 997
fertilizers 26293 2275* 70553* 70927* 89717* 89750*
in animal physiology 11700 62357 62946 71852*
in blood 54968
in cheese 30527* 30528* 39367* 93313*
in feed 3213 11240 53773

Item

Nitrates--Cont
in fiber processing 6494*
in meat 48626
in plants 27459 34282 51015 62757 87601 88077 88147 9177* 87531* 87532*
in pulp and paper research 45061
in soils 2135 10062 18049 18099 18110 35148 35176 44275 61180 70879 89789 17937* 18038* 26085* 89498*
toxicity 3087 3213 79812
cattle 3484 36533 62757 80227
sheep 54968 63456
reviews 28522
Nitric acid 53637 57369* 84816*
Nitric oxide 84638
Nitrification 10059 18055 18064 18065 18095 18110 35199 35205 44010 44053 52599 70344 70374 78403 89540 10090* 18069* 18074* 18116* 44020* 44045* 70241* 70345* 78440*
bibliographies 44001
Nitrite reductase 69130*
Nitrites
in animal physiology 62357 63456 71852*
in blood 54968
in cheese 56662*
in meat 48626
in plants 34282
in soils 2135 18111
toxicity 89655 28661* 37344*
3-Nitro-4-hydroxyphenylarsonic acid SEE 4-Hydroxy-3-nitrobenzenearsonic acid
Nitroaniline 15990
Nitrobacter agilis 52609
Nitrobacter winogradskyi 52595*
Nitrobenzene 27145*
Nitrocellulose 6496 27181 45127 10082* 36125* 45134*
Nitrofuran compounds 19539
conferences and congresses 11180
effects on cattle 80292
effects on poultry 3914 11884 11918 37063 37082
in feed 13912
reviews 11263 19473
Nitrofurantoin 63055 77612
Nitrofurathiazide 80433
Nitrofurazone
effects on ducks 45992
effects on poultry 54824* 80822*
in feed 56813
residues 83778
therapeutic use 3476 11591 54325* 54936*
Nitrogen
effects on insects 12736 38158 21248*
effects on plant disease 24328 33338 50286 86969 375* 8446* 41857*
effects on plants 953 954 1024 1056 1145 8693 9064 9188 24770 24828 25099 26309 33255 33857 33890 33892 33909 33960 34194

Item

Nitrogen--Cont
effects on plants--cont 34238 42607 42665 42762 42815 42830 42879 42903 44021 44781 50816 50942 50951 51075 51187 51264 51311 51420 59840 59841 59876 59940 60021 60181 68580 68751 77509 77586 77607 77617 77629 87853 87905 88019 88057 1157* 8852* 8853* 8920* 9044* 9114* 9154* 16615* 16744* 16851* 24774* 25253* 33884* 33983* 34219* 50998* 50999* 51399* 59350* 59386* 59621* 59677* 59839* 59888* 59947* 60109* 60148* 68053* 68564* 68628* 68697* 68794* 68901* 69120* 69509* 77562* 77574* 77743* 87482* 87497* 87535* 87581* 87804* 87924* 88050* 88115* 88223*
bibliographies 998 42535
fertilizers 2530 3484 10154 18601 26268 26613 26631 35199 35294 35327 35604 44512 44517 51075 52726 70344 70613 70663 70881 70886 78996 89667 2171* 10158* 10161* 10171* 10180* 18279* 18304* 18381* 26329* 26614* 35217* 42806* 44162* 44201* 44215* 52593* 52773* 52811* 52847* 53074* 57148* 68671* 70550* 70570* 70921* 70927* 78602* 78641* 78682* 78692* 78736* 79007* 88260*
Acer saccharinum 2690
Agropyron inerme 51212
alfalfa 18305* 26357*
apples 21058 26224 42789 44155 42883*
Atropa belladonna 35283*
Azalea 35394
Aztec tobacco 35321 35424
bananas 78570
barley 43781 44275 69157*
beans 52796 26265*
beets 8897
bigseed falseflax 89723*
bush redpeppers 60180
cabbage 10209 44191 78615
cauliflower 10414
Chrysanthemum 18281
citrus 61441
clover 70585
coconuts 26293
coffee 60059 78552*
Colombia 18397*
corn 2342 18256 18273 35406 35605 44268 52191 52722 52760 61398 68830 89540 18305* 35419* 44262* 52857* 61368* 61369* 70565* 78607* 78623* 89697* 89702* 89774*
costs and returns 10176
cotton 2386 10303 18257 26205 35409 35417 52710 70561 26282* 35427* 78651*

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Item

Nitrogen--Cont
fertilizers--cont
Cynodon dactylon 10272 35296 52739 80189
Dactylis 8929 16652
Digitaria decumbens 10272
durra 10303
Egyptian clover 52701
Festuca elatior 89710
field crops 18343 35378 78724*
Florida 61439
forage plants 1627 9055 70596 18264*
France 78331*
fruit 44154* 70480* 89745*
Germany 61645* 70640*
East Germany 56140*
grain 18099 78750 1288* 10163* 42811* 70607* 70608*
grapefruit 35402 61432
grapes 68768* 70664* 78627*
grasses 18266 26221 26324 52799 52812 60782 70515 70585 89832 70628*
Great Britain 89676
Hevea 18316*
Hungary 70880*
Hyparrhenia 18366
jute 10177 10219
Larix decidua 18965*
legumes 70515
lemons 35387
lettuce 26279* 89673*
Lolium 16652
losses 52809
mandarin oranges 35359
marrow cabbage 44252*
Mentha arvensis 17837
North Dakota 31771
oats 10275 18256 52830*
onions 2391 52703
oranges 18369 61397 61444
ornamental plants 61334
Panicum maximum 10272
Paspalum 52739
pastures and meadows 2259 2314 10233 18352 70605 70609 70611 78675 78678 89696 89730 2348* 44157* 44242* 70697* 78652* 78755* 88705*
peaches 24828
peanuts 44219* 70382* 78732*
peas 18357
Pennisetum purpureum 70665 70747
Phleum 89710
Picea mariana 61879
Pinus 18902 71168*
Poa pratensis 18302 69072
Poland 42769*
potatoes 52860 70581 78555 26215* 35336* 52694* 70606*
Pseudotsuga menziesii 18887
Puerto Rico 2325 35160
red clover 44146
rice 18274 42762 44163 52802 59968 61340 85665 70618* 70621*
rye 52806 70669 70526* 88329* 89644*
seaweed 51429*
shrubs 44857

Item

Nitrogen--Cont
fertilizers--cont
sorghum 10176 18257 35417
soybeans 78748
Spain 70487*
spinach 8897
statistics 70898
strawberries 35421 35469
sugar beets 1194 1287 2256 18314* 52835* 70525* 70601* 70648* 78606*
sugarcane 2336 26526 35308 35428
sunflowers 10281*
Sweden 70559 52766*
sweetcorn 52796 52993
sweetpotatoes 8867
tea 24797 2313* 10206*
tobacco 18334 18336 89693* 89741*
tomatoes 52794 52918 87909 70489*
trees 44857
USSR 10262* 52705* 89950*
wheat 1153 10303 18253 18327 18387 35417 77530 78603 44041* 52776* 52820* 52825* 70501* 70526* 78612* 78690* 89664*
winter rape 89660* 89661*
fixation 2131 2139 2148 2160 10061 10083 10097 16510 18080 18118 33914 35181 35202 35215 43997 44005 44033 50958 52475 52585 52617 52618 61213 66141 70351 70360 70363 70375 77668 77716 78408 78410 78415 78448 2167* 10058* 10513* 18091* 18102* 26110* 26116* 26121* 53074* 61193* 61221* 68569* 70394* 78438* 89531* 89557*
reviews 26113*
in alfalfa 51143* 51351* 87509*
in algae 51568
in animal nutrition 71700*
in animal physiology 11236 79921
in barley 69157* 87490*
in beans 77602
in blood 11634* 37253* 81032*
in cattle nutrition 11488 19766 72028 80100 54191*
in cattle physiology 27679 27709 54164 72037 80158 54197* 71994* 72063* 80439*
in collagen 31259 75410
in corn 25227* 42763* 68626* 68649* 68764* 87490*
in feed 11236* 45235*
in fibers 80990*
in flour 48502*
in food processing 47654*
in forage plants 70609 74896*
in fruit 84206 60120*
in fungi 77725*
in grain 22489
in grasses 25140 87509* 87842*
in honey 93770
in human nutrition 49721

Item

Nitrogen--Cont
in insect nutrition 73828 81425
in insect physiology 4890 37985 82062 12924* 82234*
in legumes 88061*
in meat 14405 84206
in milk 6363 56660 83809 74742*
in milk processing 13818
in millet 87490*
in molasses 85073
in oats 34151 87707*
in oilseeds 31371
in onions 52703
in peaches 84187*
in peas 87705*
in plants 1159 1178 4636 8531 8544 9013 9064 9066 9089 9299 16101 16540 16624 16698 18050 18089 24851 24961 33203 33841 33892 34054 34187 42706 42833 50942 51229 51359 51431 52781 52796 60258 61879 67986 68505 68705 69053 69213 69587 70663 77375 87845 1071* 1289* 16546* 16574* 16804* 25194* 42456* 42708* 51073* 59900* 60187* 60188* 68735* 68785* 68936* 69070* 69121* 69162* 70592* 74896* 77494* 77744* 77808* 78716* 87507* 87727* 88115*
in potatoes 48335 50957* 51530* 51531*
in poultry nutrition 28194 54709 28186*
in poultry physiology 3961 20258 37050* 72674*
in rat physiology 36929 72436* 72451*
in rice 51216 59929*
in ruminant nutrition 71645 71675 71689*
in ruminant physiology 45237 79658 71822*
in rye 69050*
in seeds 44805*
in semen 72479*
in semen preservation 62612 80008 80086
in sheep nutrition 4094 37198 37214 63538
in sheep physiology 37207 63491 81022
in silage 36163*
in soils 2022 2134 10198 10306 10512 10728 17949 17951 17970 18000 18026 18030 18042 18056 18065 18066 18067 18343 18364 26122 26124 33923 35129 35154 35178 35610 41830 43982 44279 52502 52536 52551 52572 53305 70265 70325 70372 77567 78389 79252 89540 2090* 2092* 2105* 2650* 16804* 17942* 18013* 18122* 18380* 26065* 26082* 26488* 44284* 46593* 52483* 52492* 52628* 59621* 61139* 70387* 70597* 70673* 78341* 78455* 89509* 90138*
Argentina 61298*

Item

Nitrogen--Cont
in soils--cont
Australia 18050
Brazil 78356*
Denmark 18020*
El Salvador 70568*
Finland 52542*
France 17977* 78331*
Georgia 26194
Germany 44213*
Ghana 52599 70363
Great Britain 17960 33497
India 26073
Spain 18074*
Tropics 18075
USSR 18288 52565 78366* 89493*
Western Hemisphere 26073
Western States 18383
Yugoslavia 17975*
in soybeans 31372 77817
in sugar beets 1099 85025
in sugar products 40199
in swine nutrition 28601* 81211*
in swine physiology 81207 72992* 81211*
in Tilia cordata 60155*
in tobacco 31615* 48956* 57604* 87875*
in tomatoes 59827*
in vegetables 84206 57048* 68608*
in wheat 1184 87966 87969 8876* 42763* 77515*
in wine 65308* 83686*
in winter rape 50948*
in wort 39180
in yeasts 93237*
liquid 10842 21895 24417 80008 80086
SEE ALSO SUBHEAD nitrogen fixation UNDER Algae; Bacteria; Legumes
Nitrogen compounds 35214 51067 12924* 51014* 51208* 81400*
in blood 92292*
in feed 71680*
in molasses 94073
in rice 60052
in ruminant nutrition 36493* 54243* 71793*
in silage 45196* 45232*
in soils 70600*
Nitrogen mustards 87381 87455
Nitrogen oxides 893 7792 92282 44276* 65856* 84416*
Nitrohydroxylamine 78403
Nitrophoska 2341* 2345*
N-Nitroso-N-methylurethan 33817
Nitrosomonas 78403 61244*
reviews 26129*
Nitzschia 15830* 32927*
Noble E G 61572
Noble fir SEE Abies procera
Nocardia 24985 32967 87235 80257*
reviews 72190
Nocardia asteroides 3533 36669 72290
Nocardia rubra 24985 87235
Nocardiosis
cattle 36669 62632 11617* 80257*
dogs 54546 72290
Noctueliopsis n g 29702
Noctuidae
Afghanistan 47137*
anatomy and physiology 5364 29687 64641 82692 47147* 55920* 82671* 82677* 82698*

*Text of this reference is not in English.

Item

Noctuidae--Cont
Arizona 29720
as pests 4669 55210 37759* 92112*
Asia 55943*
Australia 29687 29688
Cambodia 92578
Canada 47150 47151 92237
collecting and preserving 21441* 47145*
control 81676*
diseases 21435 12998* 38504*
eggs 82726 82727 82671*
food and host plants 13030
France 47145* 82673* 82697*
Germany 38516* 82777* 92579*
Great Britain 5341 5357 5387 5410 5550
Greece 82678*
habits and behavior 47173*
Japan 13035*
larvae 5415 21397 64646 38505* 82671* 92598*
Malagasy Republic 38519* 82803*
Netherlands 5475* 55972*
New Jersey 5488
nomenclature 38430*
North America 29720
nutrition 55969 64646 92570*
Okinawa 47158
Palearctic Region 64648 92597 82679*
parasites 5412 38226 38459* 47093*
populations 92099
pupae 82709 38505* 82671*
rearing and breeding 64612 55940* 92570* 92598*
situation and outlook 12998*
Southeast Asia 21397
Spain 47164*
taxonomy 47199 64648 92620 38429* 38430* 47137* 55985*
types 13040
USSR 21441* 81676* 92614*
Noctuoidea 5432
Nodina 21113
Nodular worms
cattle 72125 80411
sheep 20404 12121*
swine 28710 28319* 46256* 73009*
Nodules
plants 1320 1363 2131 2163 9095 9792 16510 18071 18087 24691 25254 33870 35215 42059 42665 50921 51142 51293 51454 61226 61228 77428 77495 77716 78408 78410 78427 87102 87670 89532 1202* 10095* 26110* 42770* 42929* 61204* 61232* 70382* 88054*
reviews 77668
SEE ALSO Bacteria, nodule
Noé C 8060*
Nogent-sur-Marne Centre Technique Forestier Tropical 53106
Nolanea 41542
Nolicus SEE Aphodius (Nolicus)
Nolina microcarpa 5513

Item

Nomadacris septemfasciata 12349 13052 13053 92429 12327*
Nomadism 23126 58050
Nomia melanderi 12321 29588 73111 81965
Nomographs 69293*
in animal research 90711*
in cellulose research 62206
in dairy research 6210* 48058*
in entomological research 82891
in forestry 79145* 90170*
in hydraulics research 70793*
in insecticide research 91956 91988*
in poultry housing research 74292
in sugarcane research 7246*
Nomophila noctuella 29114
Nontronite 52554
Nonyma 46817* 92347*
Noradrenaline SEE Arterenol
Norbanus 12954
Nordengren S 86224*
Norfolk (Eng) Agricultural Station 15601
Norfolk (Va) Botanical Garden 86352
Norges Birøkterlag 81989*
Norges Bondelag 7812* 76672*
Norges Landbrukshogskole 34585*
Norges Landbruksvitenskapelige Forskningsrad 76802*
Norges Pelsdyralslag 63121*
Nornicotine 7304 22914* 25207* 31622* 77790*
28-Norolean-12,17-dien-3beta-ol 53670
Norbottens Läns Hushallningssällskap 58377*
Norris G 21741
Norsk Botanisk Forening 58535*
Norsk Gartnerforening 25537*
Norske Melkeprodusenters Landsforbund 56609* 74786*
Norske Skogselskap 53121*
Norsterud O 58409*
19-Nortestosterone 37079
North American Lily Society 60811
North American Wildlife and Natural Resources Conference 7995 15507
North Borneo Dept of Agriculture 23747
North Borneo Forest Dept 18694
North Borneo Lands and Survey Dept 15010
North Carolina Agricultural Experiment Station 67280
North Carolina State College of Agriculture and Engineering
Agricultural Policy Institute SEE Raleigh (N C) Agricultural Policy Institute
School of Agriculture 49490
North Carolina State Fiber Testing Laboratories 13946
North Carolina State-Industry Cooperative Forest Tree Improvement Program 90223
North Central Corn Breeding Research Committee 1493 88398
North Central States Entomologists 20552
North Central Weed Control Conference 9895 60975
North Dakota Academy of Science 7996 41123

Item

North Dakota Farmers Union 85419
North Dakota State Hail Insurance Dept 66433
North Dakota State University of Agriculture and Applied Science 66923
North Dakota Wheat Commission 6744
North of Scotland Hydro-Electric Board 47607
North Tipperary County (Ireland) Committee of Agriculture 76674
Northeastern Corn Improvement Conference 1494
Northeastern Dairy Conference 65372
Northeastern Forest Fire Protection Commission 10840
Northeastern Forest Tree Improvement Conference 71245 79329
Northeastern Loggers' Congress 19118 79488 90337
Northeastern Weed Control Conference 17764 17765 52272
Northern corn rootworm SEE Diabrotica longicornis
Northern Ireland Agricultural Research Institute SEE Hillsborough Agricultural Research Institute of Northern Ireland
Northern Ireland Milk Marketing Board 22049 83835
Northern Ireland Ministry of Agriculture 94853
Field Botany Div 77955
Northern Ireland Pigs Marketing Board 84657
Northern Nut Growers Association 17402
Northern red oak SEE Quercus rubra
Northern Rhodesia Dept of Lands 85559
Northern Rhodesia Forest Dept 18695 79089
Northern Territory (Australia) Admin Animal Industry Br 27490
Northrup J H 58402
Northwest Forest Pest Action Council 26943
Northwest Highway Engineering Conference 60976
Northwest North Carolina Development Association 57850
Northwest Scientific Association 67160 86123
Northwest Wood Products Clinic 19198
Norway spruce SEE Picea abies
Norway Statens Frokontroll 75704*
Norway Statens Kornforretning 15387*
Norway Statens Landbrukskjemiske Kontrollstasjon Oslo 76675*
Nose 27400*
cattle 19779 3501* 72281*
horses 11831*
mice 20100
swine 81283*
Nose rings 4304
Nosema 38093 46975 47197 81525 81809 82080
Nosema apis 4790 12689 29202
Nosema bombycis 46718* 82051*

Item

Nosema curvidentis 5046
Nosema disease 12689 37849* 37886*
Australia 4790
California 81939
causes 4791 20969* 92261*
control 20969* 29214* 37895* 55605*
diagnosis 81959*
Italy 92259*
treatment 29202 37889* 81946*
Nosema locustae 73860 73861
Nostoc 214 16635
Nostoc commune 51568 78457
Nostoc edaphicum 67562*
Nostoc muscorum 87764
Nostoc pruniforme 50708
Nostochopsis 24068
Notable trees 41260
Australia 15642
California 8141
France 32655* 41283* 41284*
Great Britain 8133
Hungary 86320*
Italy 32659*
Turkey 32638*
Notalox n g 46793
Notanisus 38370
Noteridae 55717
Nothofagus 79572 10771* 79148*
Nothofagus alpina 33663*
Nothofagus dombeyi 19168*
Nothofagus fusca 26883
Nothofagus truncata 26883
Notholaena marantae 15823*
Nothoscordum ajax 42326 25914*
Nothoscordum inodorum 1952
Nothoskusea SEE Aedes (Nothoskusea)
Nothrus 29291
Notiocharis 64444
Notodonta tritophus 82749
Notodontidae 5440 46657 92237 5336* 38479* 92585* 92596*
Notoedres cati 82190
Notomulciber 92393 82225* 92347*
Notonecta 21294
Notonecta glauca 5225
Notonectidae
Africa 5237
anatomy and physiology 82541
Argentina 82501*
East Africa 12928
Missouri 38294
taxonomy 64496
Notonemourinae 92658*
Notonomus 38086
Notospeophonus n g 38132
Notospira n g 21145*
Notoxantha 38479*
Nottingham University
Easter School in Agricultural Science 63604
School of Agriculture 85870
Nouryodiplosis 47116*
Nova Scotia Dept of Lands and Forests 53152
Novarsenol SEE Neoarsphenamine
Novinskii M A 32540*
Novitzkyanus n g 38368* 82594*
Novobiocin 11628 19908 74919
Novocaine SEE Procaine
Novophytoptus 92328
Nowakowskiella sculptura 272
Noxius 46910*

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Item

Nuclear magnetic resonance 6598 71586 93903
SEE ALSO Magnetic resonance absorption (by electrons)
Nuclear warfare 19495
Nucleic acids
effects on plants 51046 520* 33711* 50371* 87960*
in animal physiology 19501 11369*
in bacteria 78462*
in cattle physiology 3591 36601*
in dog physiology 20021
in duck physiology 3830* 46016*
in insect physiology 5131 21218 29199 55794 55802 73658 82399 5063* 13056* 37914* 37917* 37936* 37942* 38199* 64206* 73511* 82069* 92293*
in plants 793 866 8594 8950 16524 16853 16974 23899 24589 24605 24624 24659 33734 33742 33999 34031 34285 34289 34325 35203 42208 42221 42294 50994 51132 51197 51257 51529 51553 59376 59681 59821 60271 68528 68576 68871 77375 77529 77616 77769 87359 87694 88074 88075 88105 1113* 1310* 4670* 16381* 16968* 24622* 33869* 33877* 34004* 34156* 42667* 42984* 43038* 60042* 60167* 60364* 69011* 69092* 69196* 77836* 87534* 87956* 87961* 87974* 88073* 88170* 88196* 88226*
reviews 69264*
in poultry physiology 3887 11871 20240* 45995* 46002* 80832*
in rat physiology 36932 36933 11857* 72451*
in semen 3295 27586 36400 45405
in swine physiology 37378* 81242*
reviews 87403*
viruses 551 3959 16121 19453 24403 24430 24433 36220 38242 42050 49747 50471 50510 62334 63147 68008 77222 77234 80871 87013 87020 87036 87067 11850* 24410* 41986* 50490* 54441* 72684* 87027* 87081* 87100*
reviews 50483
Nucleoproteins 1372 33612 46087*
reviews 77732
Nucleosidases 81473*
Nucleosides 9304
Nucleotidases 42947 69029 88106
Nucleotides
in animal physiology 16976 11607* 20019* 46002* 63633*
in insect physiology 5567 92646
in milk 39278 74715 83760
Nucleotides--Cont
in plants 866 16976 24430 42208 68932 88105 88137 88234 4670* 43038* 69185* 88206*
Nucleus
arachnids 82197 38027*
conferences and congresses 87266
insects 16411 82822 87266 92638 5168* 12860* 38213*
reviews 42237*
plants 793 833 8799 9166 16411 16926 24592 24658 33796 33806 42227 42294 42325 42939 50678 50754 68289 68354 68412 76851 77767 87266 87312 87350 16379* 33621* 33649* 33656* 33701* 42414* 42514* 50687* 59390* 59562* 60364* 77404* 87362*
reviews 42237* 69264*
Nuffield Foundation 94956
Numicia 73761*
Nuncia 29317
Nuphar 67431
Nupserha 46817* 82225*
Nupserha antennata 73648
Nupseroberea 92346*
Nurelle 33058 33363 36639 39000
Nurse crops 16987* 44724*
India 43057
Tropics 61965*
USSR 35391* 51841* 60524*
Yugoslavia 69509*
Nurseries 9569 22934 22947
accounting 49288*
Belgium 17417* 34714*
coffee 17839
cooperatives 94113*
costs and returns 85537*
Denmark 57619* 60628* 66282*
directories
Algeria 31624*
Georgia 48974
Indiana 57614 66283 66284
Missouri 31625
North Carolina 66294
Ohio 66295
Oregon 22941
Republic of South Africa 7332 75805
Tennessee 48985
Texas 94019
Virginia 7333 48987
equipment 30081 92788 13223* 13315*
field crops 43117* 78666* 88324* 88786*
Florida 1486 66300 94110
forest 509 2611 44857 90245 16181* 18862* 19008* 26925* 35831* 79345* 79346* 90174* 90177* 90228*
accounting 53371
Argentina 19011*
Bulgaria 18942*
California 50264
Czechoslovakia 16019 26900* 71265* 88615* 90201* 90209* 90229* 90239*
equipment 18972 26869* 26875* 35808*
Finland 86818*
Germany 10774* 50401*
Nurseries--Cont
forest--cont
Great Britain 4717
Italy 35782* 35807* 35812* 35842* 61955* 79277*
Japan 4768*
labor 2713 44866* 90190*
management 2700 53374 53403 53394*
Central States 10785
Great Britain 79268 86877
Israel 10734
Italy 35791*
Nigeria 10719
Rumania 2742* 10784* 26847*
USSR 61907* 61958*
Yugoslavia 10766* 79271* 79272*
mechanization 71202* 79274*
Netherlands 35763*
New York 44800
North Dakota 44851
Oregon 53392
Rumania 61894 2698* 71263* 71264*
Scotland 10755
soils 10795 35149 79321 89685 4768* 19011* 53394* 55522* 59086* 61918* 77095* 90187*
Southeastern States 58846
statistics 44852
Sweden 90181*
USSR 18976* 19003*
weed control 2759 35779 35804 44748 53348 67700 90154 35763* 61873* 61874* 71152* 71153* 90228*
Montana 44756
Rumania 10778*
Southern States 18998
USSR 44813*
Yugoslavia 79306* 90250*
France 1772* 60622*
fruit 610 1149 35050 43365 87080 43695* 46593*
Argentina 60667*
Bulgaria 87986*
California 17388
costs and returns 14780* 15050* 15094*
equipment 56129*
Florida 48496 94106
Germany
East Germany 25608* 34637* 43366*
Great Britain 9648
Hungary 64032*
India 34620
Italy 25662* 34611*
Japan 25135*
labor 14780*
Lithuania 9583*
management 9621* 15050* 60718*
New York 77251
Oregon 34644
Poland 17346*
Rumania 51954* 52716* 88929*
USSR 14749* 25633* 33355* 34628* 51890* 51900* 51946* 69738* 69741* 78774* 87736*
Germany 31626*
Italy 34576* 40230*
labor 23101 14749* 85277*
Nurseries--Cont
management 7331 10785 23101 7593* 16170* 88813*
Netherlands 1751* 66282*
Norway 9549* 25540* 31646* 34585* 34806* 60630* 60632*
regulation and inspection 7333 48974 48987 57614 66294 75805
soils 610 53068 10143* 70211*
stock 1832 9548 9704 9753 17774 24404
Canada 31628
certified 31625 60647 60657 87080
California 17388 31639
Republic of South Africa 7332
containers 31633 34586 66280
Czechoslovakia 90239*
Denmark 87089*
Germany 48968* 48978*
grading and standardization 18862*
Japan 69690*
labeling 17388 17295*
marketing 7326 7331 31633 31644 94108
Denmark 66292*
Florida 40233 66301 94106
Georgia 57616
Norway 40228*
Tennessee 7321
Netherlands 42073* 66293*
Norway 60798* 60812* 66275*
Oklahoma 10188
packing 53364 7317* 66288* 85277*
prices 66293*
Scotland 10755
storage 980 34112 394* 1026* 1189* 1759* 1760* 9736* 52025* 60022* 60798*
Switzerland 44803*
Tennessee 31632
trade 67055 41020*
transportation 9953*
USSR 61958*
tea 2003 52868
weed control 9921 17652 17665 17701 52160 52162 52281 68065 1936* 1942* 1946*
Great Britain 35050
Michigan 70025
New Zealand 43800
Oregon 9919
Nursing 7749
SEE ALSO Veterinary nurses
Nursing sickness 36862
Nurus 29346
Nut Growers Society of Oregon and Washington 69797
Nutgrass SEE Cyperus rotundus
Nutmeg 93249
Nutria SEE Coypus
Nutrient solutions for plants 16731 34035 44021 51112 59819 79304 87912 87965 88055 10027* 53398* 88025*
hydrogen-ion concentration 16800 33203 50349 50951 51094 51187 68751 68911* 79308* 87907*

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Item

Nutrient solutions for plants--Cont
oxidation reduction potential 60047*
Nutrition (animal) SEE Feed; Soils, plant-animal relations; names of feeds; and SUBHEADS feed; feeding and nutrition; in animal nutrition; in cattle nutrition, etc. UNDER specific subjects
Nutrition (plant) SEE UNDER Plants
Nutrition Foundation of the Philippines 58332
Nutrivet 36602*
Nuts
acreage and area 84395
analysis and composition 93570
anatomy and physiology 9143
breeding 9683* 25681*
conferences and congresses 17402 69797
culture 34697*
harvesting 74114
hybrids 8191* 25681*
industry 6612 57018 84396
marketing 22357 39671
bibliographies 6739
moisture 93558*
pests 4687*
planting 17392
products 6646
propagation 34698 9683*
refrigeration 93674
regulation and inspection 57018
situation and outlook 14046 22294 30921 30930 30914*
spraying and dusting 33094
statistics 14205 57122 84396 93679
bibliographies 6739
trade 6612 49641 76508
varieties 17392 17393 34593 51885
USSR 8191* 17305* 34697*
SEE ALSO names of nuts and nut trees
Nuttalia equi 36888*
Nuttaliosis 36888*
Nyasaland Agricultural Production and Marketing Board 14896
Nyasaland Dept of Agriculture 23750
Nyasaland Dept of Forestry 2570
Nyasaland Dept of Game Fish and Tsetse Control 81556
Nyasaland Dept of Veterinary Serv and Animal Industry 19535
Nychiodes 92628
Nyctaginaceae 87336
Nyctanthes arbor-tristis 36091
Nycteola 29720 38516* 55943* 55985*
Nycteola asiatica 38516*
Nycteolidae 92237
Nycteribiidae 12430
Nycteriodocoptes poppei 28839* 81544*
Nycterosea obstipata 5360 55929
Nyctunguis 64277
Nygmia phaeorrhoea 28777* 73272* 92609*
Nylidrin 27967
Nylon 14014 62937 47387* 53441* 75283*
Nymphaea 34815 92203
Nymphaea tetragona 86474*

Item

Nymphaeaceae 60309*
Nymphalidae
Algeria 21358*
France 21378* 47154* 82699*
Great Britain 5368
Kenya 82802
New York 5399
parasites 47154*
rearing and breeding 47167*
taxonomy 82690 82792
Venezuela 92599*
Washington 64589
Nymphalinae 5484
Nymphalis antiopa 5491
Nymphalis californica 47149
Nymphalis io 82725
Nymphalis j-album 64670
Nymphalis polychloros 5368
Nymphoides peltatum 77713
Nymphomania 36582*
Nymphula nymphaeata 92660*
Nysius 73509
Nyssa 90410
Nyssomyia n g 82382
Nyssoprosopa n g 82382
Nystatin
effects on plants 1131 25225 41814* 41914*
effects on poultry 20143 72629 54758*
Nyximyia n g 82382

O Morskikh Chervyakh 10967*
Oabius 64277
Oak SEE Quercus
Oak skeletonizer SEE Buccu-latrix ainsliella
Oat straw 33757 53769 62644 72039
Oats
analysis and composition 6761 31124 48519 57128 93730
anatomy and physiology 8977 20786 25156 34151 42783 42810 42844 50968 51032 51137 51312 68772 68804 68812 77616 86805 87703 1105* 1190* 1218* 1220* 8870* 8877* 16880* 16881* 24837* 33830* 33831* 33860* 33946* 51199* 59360* 59510* 59967* 59969* 60123* 60129* 68600* 68822* 68972* 70012* 86688* 87707*
bacterial diseases 16102
biochemistry 9309* 34320*
breeding 1461 24840 69345 25326*
Arkansas 1515
Canada 34410
Sweden 1481*
Switzerland 12474*
USSR 25336* 34381* 59510*
contamination 31124
costs and returns 76274
culture 1461 17665
Australia 88393
Czechoslovakia 9355*
Denmark 17025*
Great Britain 43100 51741
Ireland 17046
Japan 88633*
Netherlands 43163* 43164*
Poland 88403*
Scotland 77879
Spain 88406*

Item

Oats--Cont
culture--cont
Sweden 16987*
USSR 69443*
Wyoming 88418
cytology 16382
damage 22542
disease resistance 8481 33223 50410 86960 87391
diseases 29040*
drying 64898
fat and oil content 22534*
feed 11488 28628 53801 72069 94530 19384* 20277* 27391* 27600* 54958* 72071* 91816*
reviews 36181*
fertilizers 10169 26309 51137 52737 2296*
Finland 70549
Germany 2258* 52707* 52830*
Hungary 89766*
Japan 78582*
Mississippi 18256
Nebraska 52852
Northern Ireland 10275
Norway 89762
Rumania 78588* 78657*
South Dakota 2315
USSR 2320* 2326* 18337*
forage plant 1484 11514 19737 80150 88418 88610 17198* 34381* 43272* 43297*
fungus diseases 499 8481 16002 33223 33311 33200 42844 50410—50412 86805 86870 86960 27391*
genetics 896 936 16454 16456 16463 24762 33757 50876 59710 77436 87391 42406* 68438* 87413*
germination 24840
grading and standardization 22542
hardiness 34385 68772 77436
harvesting 88321* 88397*
harvesting date 17052 34151
hay 1561
reviews 28522
hybrids 896
in literature 17014*
injuries 42891* 86688*
morphology 24561 42255* 59357* 59408* 59465* 59510*
nematodes 42058 42082 77296 68072*
nutritional deficiencies 59916*
pest control 4633 81727 55451* 63926*
pest resistance 12474
pests 5152 5166 12511 20786 73243 29040* 64436*
planting 1451 1480 17043 51312 88384
pollination 24837*
processing 93699*
properties 6761
proteins 1218* 33830*
quality 22534*
seeds 50411 68772 69335 69360
certified 31523 48878
quality 43099 48883
treatment 4633 12471 24762 24840 42891* 63926*
soils 88384 89762 52830* 59916* 60129*

Item

Oats--Cont
spraying and dusting 4633
sprouted 72069 27600* 72071*
statistics 31089 31160
threshing 69335
varieties 9384 9388 10169 16382 51312 69360 25326*
Australia 1484 1491 43088 88344 88379
California 69427
Canada 1522 17052 34385 43142
Denmark 17025*
Finland 51668*
Great Britain 1451 77851
India 34445
Indiana 9352
Italy 19384*
Kansas 25387
Nebraska 88425
Netherlands 43163*
Oklahoma 1561 51632
Rumania 34389* 43091*
Scotland 77879
South Dakota 60420
Switzerland 9348* 69449*
Tennessee 9370
Texas 51700
USSR 25336* 43272*
Virginia 9405 25378
West Virginia 88401
virus diseases 29535 59149 68046 77223 87093
weed control 17682 1922* 1937* 70012* 70099* 89293*
yields 10169 17043 26309 52737
Alabama 1480
Canada 17052 43142 52712
Czechoslovakia 87707*
Germany 2258* 52830*
Hungary 89766*
Iowa 43099
Kansas 25387
Nebraska 52852
Northern Ireland 10275
Norway 89762
Oklahoma 51632
Poland 88582*
Rumania 34389*
South Dakota 60420
USSR 2320* 2326* 69443*
Wyoming 88418
Obelidium 33027
Oberea 82273 92396 46817* 92347*
Obereopsis 46815* 82225* 92347*
Obregonia SEE Ariocarpus
Obrium 82284
Obstetrics 3144* 3158* 27762* 36276* 36346* 36538* 53881* 63005* 71850*
SEE ALSO Cesarean section; Dystocia; Retained placenta; and SUBHEAD parturition UNDER Livestock and names of animals
Occupational diseases SEE names of occupational diseases; and UNDER Farmers; Forest labor; Meat, industry; Poultry, industry; Slaughtering; Veterinarians
Occupations 7421 7431 23076 49072 49426 49575 49576 57774 57882 58112

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Item

Occupations--Cont
Alabama 40266
Alps 7342
developing areas 75918*
Germany 85285*
India 7435
Minnesota 75943
Northern Ireland 85299
Norway 32145
SEE ALSO Employment; Farms and farming; UNDER Women; and SUBHEAD as an occupation UNDER specific subjects
Oceanopona n g 64499
Oceanorus leimanthoides SEE Zigadenus leimanthoides
Ochlandra travancorica 30754
Ochlodes venata 55930
Ochna 50068
Ochrogaster contraria 12653
Ochroma 27178 79516
Ochroma lagopus SEE Ochroma pyramidale
Ochroma pyramidale 2911 53583 42225*
Ochromonas 9006
Ochropleura 38519*
Ochrotrichia 29785
Ochsenheimeria vacculella 20752*
Ochteridae 38294
Ochyromera ligustri 46906 46912
Ocimum 70121 33262* 40680*
Ocimum basilicum 42004 42259 24604* 42596* 52365*
Ocla 64554
Ocneria dispar SEE Porthetria dispar
Ocneria monacha SEE Lymantria monacha
Ocotea 32950*
Ocotea porosa oil 2946
Ocotea pretiosa 68687
Ocotea pretiosa oil 75533
Ocotea rodiaei 11139 90478
Octachlorodipropyl ether 81514*
Octadecenoic acid 13729 31335 34311
Octamethyl SEE Schradan
3-Octanone 7100
Octenoic acid 37081 91436
Octoacanthella n g 21496*
Octomeria 86486*
Ocularia 92348*
Ocydromiinae 38244*
Ocypus olens 21139
Odagmia monticola 5117*
Odagmia ornata 64463*
Odessa Universitet 86359*
Odiellus gallicus 64294*
Odinia 46930*
Odiniidae 82437*
Odintsov P N 8036*
Odobesti (Rumania) Fruit and Grape Experiment Station 88969*
Odonata
Africa 29807 73900 82897
anatomy and physiology 5597 5621 5630 38566 38577 38587 47252 13072* 13091* 29809*
Arizona 13075
as pests 28962
as predators 64671
Brazil 13090* 82907* 82908* 82909*
collecting and preserving 13087 21499
Denmark 29797*
dissemination 82893
East Africa 21500
Europe 29798

Item

Odonata--Cont
geographic distribution 64714* 73890* 92650*
Germany
East Germany 29791*
Great Britain 5619 13086 13088 38569 64724
habits and behavior 21012 21507 38566 47245 64734 73882 47259*
Himalayas 38556
Hungary 21513*
identification 5603 21495
Japan 73884* 82876*
larvae 38556 38590 47228 73911*
Malagasy Republic 73900
Michigan 82882
New Zealand 28962
Nigeria 5604
nomenclature 29798
nymphs 13089 29807 73897
Palearctic Region 64714*
parasites 4940 73546*
Peru 38561
Philippines 5624
populations 64734
Pyrenees 76817*
rearing and breeding 5620 82878
Republic of South Africa 29782
Southeast Asia 21495
Tanganyika 5635 21499
taxonomy 47228 56045 73900 82897 21505* 21506* 56039* 64737* 92651*
Tennessee 82914
Thailand 56014
Uganda 21012
USSR 29783*
Venezuela 82899*
West Africa 5635
West Indies 5599
West Virginia 73895
Odontacarus 55684*
Odontaeus armiger 73592 73607
Odontella 29805*
Odontiinae 29702
Odontites 67510*
Odontoglossum 15777 17466 17487 50591 68119
Odontoglossum cristatellum 41465
Odontoglossum grande 43505
Odontopodisma 64703*
Odontopus 73738
Odontorhoe n g 82664*
Odontorhoe (Parodontorhoe) n sgen 82664*
Odontoscelis dorsalis 5236
Odontosiro n g 82154*
Odontosiro lusitanicus 82154*
Odontotarsus confraginosus 47015*
Odontotermes 21503
Odontotermes bellahunisensis 73908
Odontotermes obesus 21504 46637 81905
Odontotermes redemanni 5591
Odontothrips 92665*
Odor
effects on insects 20940 21183 64531 81503 82111 82380 82385 82544 92567 55890* 46220*
swine
Odynerus 55899* 82599*
Oebalus pugnax 46477
Oecanthus niveus group 64710
Oecanthus varicornis group 64710
Oecetis 64731 92662 47258*

Item

Oecophoridae 5438 64649 73332 29670*
Oecophylla 21397
Oedaleothrips 38581
Oedemagena SEE Hypoderma
Oedemeridae 4975 29360 29395
Oedocephalum 271* 50703
Oedocladium
Oedogonium 214 42290 42709 50703 67559 41518*
Oedogonium parvulum 41526*
Oedothorax 82180
Oenanthe 67465
Oenanthic ether 83707*
Oenetus cohici 29740*
Oenothera 55892 55893
anatomy and physiology 69161
genetics 929 50906 59686 33775* 42432* 59740*
germination 33927
taxonomy 58662 67493 67439*
Oenothera affinis 77453*
Oenothera longiflora 77453*
Oenothera suaveolens 24647*
Oesophagostomiasis SEE Nodular worms
Oesophagostomum 46256*
Oesophagostomum columbianum 20404
Oesophagostomum dentatum 28710 73019*
Oesophagostomum quadrispinulatum 55068
Oesophagostomum radiatum 72125 80411
Oestridae 20651 28835 29485 63803 82358 92051*
Oestrinae 28943*
Oestrus bassoni 29485
Oestrus ovis 37554 63812 73135 73141 92033 55338* 63813* 73173*
Offaly County (Ireland) Committee of Agriculture 76676
Office International de la Vigne et du Vin 47860* 87006*
Office International des Epizooties
Permanent Commission for the Study of Sanitary Regulations on the Importation and Exportation of Animals and Animal Products 39964*
Ohio Academy of Science 41094
Ohio Agricultural Experiment Station
Dept of Veterinary Science 19603
report 54491 58469
Southeastern Substation (Carpenter) Experimental Woods 26737
Ohio Dept of Natural Resources 67161
Ohio Farm Bur 15320
Ohio Vegetable Growers Association 1891
Oidaematophorus 47205
Oidaematophorus bowesi 5545 5549
Oidiodendron 15854 50122
Oidium 262* 16090* 24269*
grapes 41822*
Hevea brasiliensis 24230
safflower 24205
taxonomy 249
wheat 8522*
Oidium chrysanthemi 41804*
Oidium primulae-obconicae 24078*
Oijen C F van 67180*
Oiketicus kirbyi 81809 73274*

Item

Oil plants
acreage and area 48539*
anatomy and physiology 68719*
Argentina 22715*
biochemistry 77830
breeding 1633* 51820* 66112*
costs and returns 15089* 76269* 94515*
culture 9522* 43314* 60599*
French Overseas Territories 17232*
Germany 34547*
India 89410
Latin America 57832
nematodes 42066*
Pakistan 14477
Paraguay 66134*
pest control 20722* 29017*
Poland 17231
seeds 1640 48903 20722* 29017* 68719* 88424*
USSR 43316
varieties 17230 1441*
Oilcakes SEE Oilmeal
Oilmeal
analysis and composition 14467
consumption 22727*
feed 6413 28230* 36987* 63236*
fertilizers 35199 35412
hydrolyzates 66108
industry 30719*
marketing 6413
prices 22727*
processing 48739
situation and outlook 22692* 84840*
statistics 14494 31355
storage 14453*
trade 49644 58303 58304 76507
Greece 76507
India 7886
Iran 58304
Pakistan 49644
Turkey 58303
Oilpalm SEE African oilpalm
Oils and fats SEE Fats and oils
Oilseeds
analysis and composition 48740 7025* 75610*
chemistry 22677*
drying 83131*
grading and standardization 75562*
India 22476
industry 14501 22678 40076 84003*
marketing 14460 75585 75562*
policies and programs 22736
processing 7095 22686 40046* 48772* 75566*
conferences and congresses 14468 14469
products 7917 41031
reviews 22725
situation and outlook 31373 40048 75535
statistics 31355 56527 57137 75609 84003*
storage 47770*
trade 7886 7917 23639 40965 41015 41031 58286
SEE ALSO names of oilseeds
Ointments 45779*
OIRSA SEE Organismo Internacional Regional de Sanidad Agropecuaria
Okahandja n g 92363

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Item

Oklahoma Academy of Science 49764
Oklahoma Agricultural Experiment Station 69695
Oklahoma State Board of Agriculture 41124
Oklahoma State Grange 76456
Okoume SEE Aucoumea
Okra
  contamination 57024
  culture 17578
  fungus diseases 59066
  nematodes 68057
  pest resistance 12513
  seeds 1106 77631*
  varieties 12513
Old age 15347 22979 76437 85947 94142
Old-age insurance 7405* 23052* 31736* 75897* 75900* 85252*
Old Farmer's Almanac 23752
Oldenburg F 76744*
Oldenburg Kuratorium für Rindergesundheitsdienst 54415*
Oldenlandia 134
Oldham Master Cotton Spinners Association 39539
Oleaceae 68313* 68383*
Oleandomycin
  effects on cattle 19791*
  effects on insects 21363
  effects on poultry 11911* 80757* 80771* 91427*
  effects on sheep 4084
  effects on swine 28605 81237 81214*
  in feed 79731*
Oleandra 24033
Oleanolic acid 43020*
Oleic acid 40065 51566 72562 31381* 68675* 75554* 75555*
Olenecamptus 92347*
Oleoresins 53417 82346 11069* 19296* 19301*
Olesen C H 8034
Olethreutes 21366
Olethreutidae 12987 29700 64598 38449*
  as pests 63988 73285*
  dissemination 64623 64624
  North America 82751
  Tennessee 21360 29059
Olethreutinae 5355 12950 82751 21414* 64611*
Olfactometer 82496
Olfactory sense SEE SUBHEAD smell UNDER Insects; Livestock and names of animals
Oliarus 55855 38289* 47052* 73761*
Olibrus 82271
Oligacheta n g 47208*
Oliganthes 58586*
Oligocara 82288*
Oligochroa 47130*
Oligoma SEE Cylindera (Oligoma)
Oligomerus 82271
Oligoneuriidae 47236
Oligonychus coffeae 37694 73304
Oligonychus ununguis 37811* 37827* 81907*
Oligopogon hybotinus 73701*
Oligosaccharoides 33898 87485
Olios coenobita 38021*
Olios sericeus 55907*
Olive fruit fly SEE Dacus oleae
Olive kernel oil 22676* 22682*
Olive oil
  adulteration 14505* 22674* 23703* 31357* 31409*

Item

Olive oil--Cont
  advertising 93928*
  analysis and composition 7114 48828 84770 7042* 7075* 7077* 14505* 22719* 22733* 31353* 31357* 31358* 31398* 31399* 31408* 31409* 40078* 48808* 57352* 57369* 75586* 84790* 84844* 84852* 93908* 93927*
  chemistry 57398* 84850*
  containers 31362* 48814*
  contamination 22647* 40078* 57400* 75590* 75606*
  extraction 22737* 31384* 48745* 75586* 84777* 84810* 84815* 93217* 93929*
  equipment 31346* 31414* 48745*
  grading and standardization 22658*
  Greece 93910*
  losses 31343*
  microorganisms 15959*
  Morocco 84852*
  nutritive value 23702* 23703* 80676*
  oxidation 31362* 66098* 84856*
  processing 7075* 40063* 75503* 75527* 84772* 84775*
  properties 14463* 84815*
  quality 93933 22737* 40062* 84775* 93927*
  situation and outlook 40042 22710* 74385*
  statistics 22710* 84782*
  storage 31362*
  tests 31353* 66098* 66111* 66127* 75540* 75590* 84816* 84824*
  trade 58272* 85975*
  Tunisia 48808*
  waste 14457* 31384* 40062*
Olive scale SEE Parlatoria oleae
Oliver Collection SEE British Museum (Natural History) Oliver Collection
Olives
  anatomy and physiology 33956 59912 985* 1161* 9104* 24834* 34066* 50987* 88046* 87318* 87543*
  bibliographies 1011
  bacterial diseases 50659*
  color 84319*
  conferences and congresses 22664*
  contamination 66142
  cooperatives 84787*
  culture 1690 1682* 30902*
  Australia 1685
  Bulgaria 88857*
  Chile 88864*
  Colombia 88860* 88861*
  Greece 33901
  Israel 51915* 88873*
  Italy 1161* 1681* 17319* 34611* 60649* 88866* 88877*
  Portugal 51910*
  Tunisia 69715* 78055*
  USSR 17312*
  diseases 15881* 15897* 15959* 50239*
  enzymes 22659*
  fertilizers 70516* 89786*
  fungus diseases 67816 24217* 41742* 41826* 59052* 86746* 86883*
  germination 34066*

Item

Olives--Cont
  harvesting 29940 17313* 21621* 56188* 64874* 84777* 87318* 88858*
  history 88866*
  industry 57358
  Argentina 57371*
  Australia 75539
  Italy 22706* 22717* 30902* 75522* 84792*
  Mexico 39594
  Spain 31340 14446* 30902*
  Yugoslavia 22703*
  injuries 1161*
  irrigation 89878
  Israel 48828
  Italy 22646* 78039*
  morphology 24640* 50659*
  nutritional deficiencies 33901 33902
  pest control 15881* 15897* 29099* 81738*
  biological 4692* 20821* 92166*
  Greece 37742* 64016* 64017*
  Israel 37704*
  Italy 4676* 4693* 4703* 12587* 20808* 20831* 20852* 29098* 29100* 37737* 45625* 46529* 46584* 46585* 81766* 92160* 92181*
  pests 55475 4693* 29057* 50239* 81815*
  pits 22676* 22682*
  planting 78039*
  policies and programs 22646*
  processing 31006 84319* 88864*
  products 75558*
  propagation 1681* 9604* 88868*
  pruning 17323* 24834* 25578* 51911* 88871* 88874*
  rootstocks 88868*
  situation and outlook
  Israel 51915*
  Italy 14509* 30914* 31356*
  Spain 14446* 57331*
  USSR 14461*
  soils 52492* 89654*
  Spain 93901*
  spraying and dusting 15897*
  statistics 22710*
  storage 88858*
  thinning 60659
  varieties 31006 89878
  waste 31343* 31399* 75534*
  analysis and composition 14488* 31385*
  chemistry 14464* 48781*
  feed 62288* 90537*
  properties 48781*
  utilization 14457*
  yields 69712 1682*
Olivier S C J 15574*
Olpidiaceae 41573*
Olpidiopsis incrassata 41892
Olpidium 50420
Olpidium brassicae 33323 77243
Olpidium uredinis 59051
Olpiolum 92317*
Olsson E 41185* 41204* 58392*
Olynx 5271
Omaha Grain Exchange 48552
Omaliinae 73646
Omasum 45629 62792 80313
Ombutree pokeberry SEE Phytolacca dioica
Omental hernia 27873*

Item

Omentolaelaps n g 64286*
Omentolaelaps mehelyae 64286*
Omentolaelaptidae n fam 64286*
Ommatius (Metommatius) n sgen 82382
Ommexechinae 38529
Ommochromes 5458* reviews 82112
Omnamycin 27965* 63664*
OMPA SEE Schradan
Omphalestra 38519*
Omphalia flavida 8440* 67928*
Omphalina 41542
Omphalitis 55083 27890*
Omphisa illisalis 4625*
Omsetningsradet 21826*
Omsk fever SEE Epidemic hemorrhagic fever
Omsk Sel'skokhozyaistvennyi Institut
  Biblioteka 66958*
Onagraceae 50733 58676*
Onchocerca volvulus 55274 92005 37561*
Onchocerciasis 55274 92005 4579*
Oncideres impluviata 55581*
Oncideres jatai 92345*
Oncocephalinae 21313* 21314* 29570* 64526*
Oncocephalus 21314*
Oncodemerus 64368*
Oncodesmoides 4936
Oncodidae SEE Acroceridae
Oncometopia 92513*
Oncometopia undata 29554 63996
Oncopeltus famelicus 47049
Oncopeltus fasciatus 5259 29537 38295 46356 92523
Oncopodium panici 265
Oncopodura 64713*
Oncopsis 38313
Oncopsis subangulata 38313
Oncylocotis 38347
Onderstepoort Veterinary Research Institute 11214 79884
Ondiri disease SEE Bovine petechial fever
Onion juice 48413
Onion maggot SEE Hylemya antiqua
Onion thrips SEE Thrips tabaci
Onions
  analysis and composition 2391 22341 75123
  anatomy and physiology 8972 9090 31045 33886 33909 43662 52703 68985 77501 25030* 34025* 68891* 68916* 69141* 87635* 87863*
  biochemistry 9318 69269* 88224*
  breeding 43662 59720* 89243*
  Colorado 9798
  cooperatives 75064 84248
  culture 16819 52243*
  Bulgaria 89127* 89128*
  Canada 34866
  Czechoslovakia 89161*
  Great Britain 78168
  Japan 25821*
  Netherlands 43590*
  Norway 60888*
  Sweden 17567*
  USSR 43602*
  cytology 792 8789 16275 42241 42323 50660 8726* 16380* 24580* 24622* 24657* 33711* 33818* 50687* 59409* 68248* 87263* 87353*

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Item

nions--Cont
disease resistance 58925*
diseases 8404 50215*
drying 75234 9803*
enzymes 9231
fertilizers 2391 52703 89785*
flavor and odor 22341
for processing 93669*
fungus diseases 50270 86823 67794*
Australia 454
Austria 24341*
Bulgaria 67866*
control 16034 86783 24288* 24292* 58925* 86757*
France 8475*
Republic of South Africa 41748
genetics 16424 87429 8817* 8831* 33818* 59720*
germination 16537* 68904* 68917*
harvesting 68985 9803* 17565*
reviews 78158*
hybrids 69938*
industry 75064
injuries 33031
irradiation 22434
irrigation 2391 52911*
keeping quality 2391
losses 68985
male-sterile 87385 69938*
marketing 75138 75141
morphology 814 33674* 33752*
nematodes 42065
pest control 28985
Canada 37659
France 63894*
Indiana 55410
Latvia 63959* 81638*
Norway 50215*
pests 41748 28953* 64458* 92502*
planting 52192 78168 17563* 17564* 60881* 60893* 69983* 69984* 78139* 89161*
pollen 8831*
processing 75213
regulation and inspection 93600
seed 17564* 17565* 63894* 89128*
seeds 78152 1892* 68917*
treatment 16034 16819 24292* 68904*
vernalization 34019*
viability 1106
situation and outlook 48299
soils 16819 69983* 69984* 88224*
sprout prevention 75211*
statistics 31073 65840* 65842*
storage 22434 31045 9803* 68891* 93628*
thinning 60893*
transportation 75138
varieties 2391 17567* 25821* 34025* 60888* 78139* 87863* 89161* 93669*
virus diseases 24439* 87030*
vitamins 86070*
weed control 16819 17642 17760 52243* 78217*
Australia 9894
Czechoslovakia 70051*
Great Britain 89303
Lebanon 35041

Item

Onions--Cont
weed control--cont
Netherlands 52207*
New York 52187 52192
New Zealand 43821
Northeastern States 52266
yields 2391 16819 33031 17565* 17568* 69983*
Oniscoidea 4920 38036* 82193*
Oniscus asellus 55399*
Oniticellini 46827*
Onobrychus SEE Sainfoin
Onoclea sensibilis 8756
Onosma echioides 724
Ontario Agricultural College 23020 32198 78154 79802
Ontario Agricultural Marketing Inquiry Committee 65143
Ontario Cheese Producers' Association 74673
Ontario Cheese Producers' Marketing Board 74673
Ontario Corn Committee 1462
Ontario Dept of Agriculture 76677
Ontario Dept of Lands and Forests 40597 53197
Ontario Hog Producer Organizations 93845
Ontario Hydro-Electric Power Commission 5892
Ontario Soil and Crop Improvement Association 34366 40542 77842
Ontario Stallion Enrollment Board 54608
Ontario Veterinary College 19531 36308
Onthoellus SEE Onthophagus (Onthoellus)
Ontholestes 46893
Onthophagini 82259* 82261*
Onthophagus 46811* 46828* 82259* 82261* 82318* 92401*
Onthophagus (Digitonthophagus) n sgen 46811*
Onthophagus (Endrodius) n sgen 46811*
Onthophagus (Euonthophagus) n sgen 46811*
Onthophagus (Onthoellus) n sgen 46811*
Onthophagus (Paraphanaeomorphus) n sgen 46811*
Onthophagus (Paronthophagus) n sgen 46811*
Onthophagus (Pseudonthophagus) n sgen 46811*
Onychiurus 38563 5646* 21488*
Onychiurus armatus group 82873*
Onychiurus furciferus 5595
Onychogomphus 21500
Onychophora 4906
O'nyong-nyong fever 20623 81612
Oochrotus 82328*
Oocystis 67561*
Oocystis marssoni 60121
Oodera 47066*
Oodescelis 64346*
Ooencyrtus 47076*
Ooencyrtus kuwanai 12633 46658*
Oogenesis
insects 46947 82147 92638 37935* 55843* 64472* 73901* 92522*
Oomorphoides 21113
Oontelus 46909*
Oophorectomy
cats 36795*

Item

Oophorectomy--Cont
cattle 54374 80316 36582* 45690* 62818*
mice 11856
rats 3801 80682
sheep 81129
Oospora 58993*
Oospora astringenes 86597
Oospora destructor SEE Metarrhizium anisopliae
Oospora lactis 39640 88191 50272
Oospora pustulans 58938 8471* 67906*
Oosternum 64382
Operophtera brumata 5552 20819 21407 64610 73319* 92227*
Ophiobolus 58781*
Ophiobolus graminis 33026 86766 406* 77179*
Ophiobolus graminis avenae 33026
Ophioglossales 41494
Ophioglossum vulgatum 16362 76987*
Ophiomyia 5149 21237 55822*
Ophiomyia pinguis SEE Agromyza pinguis
Ophioninae 82581
Ophiopogon SEE Mondo
Ophiostoma coerulum 16032*
Ophiostoma fimbriata SEE Ceratocystis fimbriata
Ophiostoma multiannulatum 33817 42221
Ophiostoma piceae 16032*
Ophiostoma roboris 59015*
Ophite 44074*
Ophiusa coronata 21435
Ophonus 64328*
Ophryoscolex caudatus 3590
Ophrys SEE Listera
Ophthalmemeopedus n g 82225*
Ophthalmoscopy 71841 3196*
Ophyra chalcogaster 5135
Ophyra nigra 5135
Opiinae 5289* 5290* 47077*
Opilio parietinus 29313*
Opilio saxatilis 29313*
Opilioacaridae 21049 92323
Opiliones SEE Phalangida
Opisthograptis luteolata 5460 5522
Opisthophthalmus 82163
Opisthorchis tenuicollis 63039
Opius 64015 5290* 47080*
Opius concolor 28754*
Opius concolor siculus 92166*
Opius juglandis 5310
Opius longicaudatus 4673
Opius oophilus 4673
Opius vandenboschi 4673
Opizia stolonifera 115
Opogona 21366
Opomyza germinationis 46478 73243
Opomyzidae 5167 82437*
Oporinia christyi 5335*
Opostega 21366
Oppia 29291
Oppia jahnae 21076*
Oppioidea n superfam 29283
Oppland Landbruksselskap 76678*
Opshomala 47225
Opsianus n g 64499
Opsimini 82294
Opsolasia adelpha 46945*
Optical density test 22733
Opuntia 1605 69724* 86731*
Opuntia dilleni 16940
Opuntia ficus-indica 25186* 51281* 87592*
Opuntia tuna 17536*
Oralia n g 64554
Orange G 22456 74695
Orange juice
adulteration 22328

Item

Orange juice--Cont
analysis and composition 6132 22328 22333 48328 56966 84222 65698* 84188* 84292*
concentrated 67141 84314 56973* 65716*
defects 48790
dried 65827
extraction 31062*
flavor and odor 1694 84222 84292*
fortified 48328
frozen concentrates 22384 65803 65811 84336 14169*
industry 57113
marketing 6657
prices 75177 48424*
processing 6724 57113
quality 48424*
storage 65827
Orange oil 57324
Oranges
abnormalities 33671* 59397*
advertising 14095
analysis and composition 39638 65709
anatomy and physiology 8998 24932 33961 33999 34236 42830 51299 68555* 87314* 87436*
biochemistry 87436*
breeding 69720*
California 30916
care and handling 93614
cleaning 48465
coatings 48465
color 34236 65756
coloring 93576
comminuted 31062* 84188* 84339*
consumer preferences 93576
containers 30983 65791
contamination 65753 93606
costs and returns 23338
culture 9439 60676 1692* 9590* 89792*
diseases 33115
fertilizers 18369 61397 61429 61444 89752 35352*
flavor and odor 74479
fruit-set 24886
fungus diseases 86779 33332* 77149*
genetics 87436*
germination 34067
grading and standardization 65756 75164*
hardiness 33961
harvesting 9593
hybrids 22309* 87314*
industry 48314 22309*
injuries 9593 30983
Italy 84178*
judging 74479
keeping quality 65790 31021*
marketing 14095 14098
morphology 87314*
packing 57036 93606 93614
peel 6647 48337
pest control 12549* 37736*
physiological diseases 24915* 60237*
planting 34618
products 48478* 84339*
propagation 24886 78049*
quality 65756 65760*
refrigeration 65790
rootstocks 1694 25580 42830 78049*
situation and outlook 30916
soilless culture 51299 33332*

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Item

Oranges--Cont
soils 60676
statistics 6740 48496
storage 48353 65791 93606 31021* 65809*
trade 40994*
transportation 30983 48353
varieties 18369 25580 34618 65756 87436*
virus diseases 33371 42019 59121 59127 59139 77228*
weed control 9869 17826
yields 8998 48495
SEE ALSO Mandarin oranges; Satsuma oranges; Tangerines; Trifoliate oranges
Orania macrocladus 67481
Orania sylvicola 67481
Orchardgrass SEE Dactylis
Orchards SEE UNDER Cover crops; Fruit; and SUBHEAD seed orchards UNDER Trees
Orchesella 29781*
Orchesella albosa ainsliei 81576
Orchidaceae 15722
anatomy and physiology 9161 16565 16715 41242
associations 1754
biochemistry 50771
Brazil 15747 86486*
breeding 25719 25740 25789 69833 89090
California 67511
Central America 67433
collecting and preserving 15744
Brazil 15724
Burma 41414
Colombia 86458
Comoro Islands 58660
Malagasy Republic 23979 23980
Mexico 8206 67470
New Guinea 24021
conferences and congresses 17548
culture 17452 17511 17538 25717 25772 34812 43478 43494 43502 60851 74329 89051 89060 86459*
Australia 17535 21727 25730
Finland 43505*
Florida 17529 89059
Germany 17429
Great Britain 17480
Hawaii 78113
Iceland 17431
Japan 17485
Lake States 69808
New Zealand 17523
cytology 16351 87293 87256*
diseases 369 15878
ecology 646 16212
fertilizers 10168 44390 61380* 78686*
France 67476
Germany
East Germany 58722*
grading and standardization 22937
Great Britain 165
Hawaii 87293
history 15803 17526
hybrids 9788 15766 17484 60819 89090
India 169 24015 41445 67501
industry 14641 22928
irrigation 44390
Israel 86416
Italy 1811*

Item

Orchidaceae--Cont
judging 25718 34759
Malaya 8226
morphology 16311 50771 8796*
nomenclature 15766
pest control 331 369
pests 8354 15878
planting 1752 25776 69837
pollination 4346 67433 86436 86437
propagation 9717 34825*
Republic of South Africa 58702
seeds 355 69837
Southeast Asia 15749* 58650*
Switzerland 76982*
taxonomy 15723 15741 15805 24024 86459*
trade 22928 22937 23588 23636
Trinidad and Tobago 58703
Tropics 86436 86437
varieties 17480 25717 34812 43545 34787* 60817*
Venezuela 15735
Orchidantha 23985
Orchis purpurea 68236*
Orchitis 91690*
Orcus chujoi 82219*
Orcylalanin 9137*
Ordre du Mérite du Défricheur 66573*
Orebro Läns Hushallnings-sällskap 23753*
Orechtochilus villosus 73741
Oregon Entomological Society 55158
Oregon Essential Oil Growers League 75570
Oregon Filbert Commission 75148
Oregon Seed Council 7220
Oregon Seed Growers League 1430
Oregon Skyline Trail 10882
Oregon State Horticultural Society 34584
Oregon State University Mint Wilt Research Project 67886
Oregon Strawberry Council 34675
Orenburg Sel'skokhozyai-stvennyi Institut Zootekhnicheskii Fakultet 79962*
Oreocharis 90 32696
Oreoderus 73635*
Oreogeton 92470
Oreokora n g 55851
Oreonebria 29383*
Oreopaederus 64339*
Oreta 29742
Organic acids
determination 39643 90446*
in animal physiology 81265
in fruit juices 48329
in grain 6846
in meat 84608*
in plants 1316 16279 16688 24829 24848 25257 33894 53418 58958 60051 68044 68714 71271 77730 9257* 16580* 16881* 21973* 24938* 33884* 33887* 33888* 33943* 39656* 50985* 51162* 59941* 60009* 60323* 68606* 69203* 77744* 87666*
in silage 3362 6420 74912*
in soils 51368 52561 61174

Item

Organic chlorinated insecticides SEE Chlorinated hydrocarbon insecticides
Organic compounds 48973 2847* 42728* 44976* 60128* 73107* 77623*
Organic phosphorus insecticides 37488*
antidotes 55315 46327*
chemistry 4381 4403 12355 46361 55226 73115 4398* 73121* 91981*
effects on animals 4514 20590 73156
effects on plants 81690 20801* 91978* 91990* 92198*
fly control 12411 28834 37521
forest pest control 12629 64065* 92219*
fruit pest control 4681 37722 12575* 29056* 45625* 73283*
hazards and safeguards 81440
in soils 55449
insect resistance 4353 4387 12320 28798 37465 55219 81369 81386 91949 91966*
jute pest control 4594
livestock parasite control 63487 92033 72128* 91862*
livestock pest control 4514 12397 12432 20683 37592*
mosquito control 12392 55219 81498 81512
physiological action 4402 4523 28896 37722 46536 73121*
residual effectiveness 12411 91978*
residues 38894 55482 65090 74406 74416 93053 37676* 45625* 56342* 63792*
storage pest control 37785*
synergism 91966*
toxicity
beneficial insects 81406
man and animals 4500 4519 28833 28872 55315 45249* 45625* 46327*
Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek SEE Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek
Organismo Internacional Regional de Sanidad Agropecuaria 12372* 15511*
Organization for Economic Cooperation and Development 39964 40147 56480 65735 65758 14829* 22799* 40457* 58448*
Organization for European Economic Cooperation SEE Organization for Economic Cooperation and Development
Organization of American States 94312
Organizations 49542 66984 76444*
Argentina 23539*
Austria 15299*
Belgium 94712*
Brazil 94552*
Bulgaria 40892*
California 23534
Canada 66979 66988*
Chile 49523*
Colombia 66977*

Item

Organizations--Cont
directories 15301 15304 23535 40895 40891*
Ecuador 23544* 23545*
Europe 15300* 32239* 40889* 85907*
France 49393* 58200* 76442* 85909* 85916* 94717*
Germany 76440* 76459*
East Germany 76454*
Great Britain 15305 15306 32249 32253
history 22045 94711 40890* 94718*
Idaho 7811
Illinois 32244 49528
India 40897 76448
international 67262 94713* 94719*
Ireland 7815 76451
Italy 7809* 49536* 76441* 85908*
Jamaica 23542
Jersey 85917
Kansas 40894 76452 94707 94710 94716
Kenya 76681
Malaya 76460
Maryland 66981
Michigan 94714
Minnesota 32246 85913
Mississippi 32147
Netherlands 58205 49530* 49535* 76449* 85911* 85915* 94718*
New Zealand 76445 76457
Northern Ireland 66986
Norway 7812* 66980*
Oklahoma 76456
Pennsylvania 7813
Sweden 85863*
Switzerland 23546* 32254*
Trinidad and Tobago 23532
Organotin 58926
Orgeriinae 82517
Orgyia anartoides 12354
Orgyia antiqua 5509 21376*
Orgyia dubia 55960
Oribatei
anatomy and physiology 21078 46808 82206
and disease 4965 46413 37282* 92022*
Austria 21076*
ecology 38057 38054* 64318*
Ghana 21081 82203
Great Britain 82195
habits and behavior 46789
Indonesia 29291
New York 82149
nutrition 46789
nymphs 82130*
populations 55704*
Sweden 38057
taxonomy 21075 29283 73588 82203 4961* 12756* 12757*
USSR 55658*
Utah 12773
Oribatula 4961*
Oribatulidae 4961*
Oriental fruit moth SEE Grapholitha molesta
Orlov K A 15551*
Ormocerus latus 5273
Ormocerus vernalis 5273
Orna angolensis 38426*
Ornamental bush redpepper SEE Capsicum frutescens abbreviatum
Ornamental plants 89021*
anatomy and physiology 42838 68594 77651 42483* 42668* 42676* 59762* 59766* 59904* 87808*

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Item

Ornamental plants--Cont
annuals 976 34816 52026 52306 9796*
Argentina 69894*
Australia 9747
breeding 89094 25768* 60741*
California 78107
color 89013 87808*
conferences and congresses 9770*
costs and returns 32041 23365*
culture 1776 1832 9732 9753 17532 17582 25692 33049 43544 43571 52050 52065 60822 69841 88989 89078 89085 89108 9558* 34741*
Australia 25757
California 1786
Canada 9744
Czechoslovakia 89097*
Florida 60751
France 34752*
Germany 43499*
Great Britain 60633 89149
Italy 9739* 88992*
Netherlands 69823 1751* 1758* 25748* 42073* 43471*
New Zealand 17541 34854
Northern States 48969
Norway 43515*
Oklahoma 10188
Poland 69860*
Portugal 1800*
Rhode Island 8332
Sweden 41637*
Texas 69867
USSR 43484 1775* 9733* 52018* 60744* 60759* 60825* 69868* 69869* 88983* 89984* 89036*
Washington 34754
diseases 8334 43534 50252 24141* 33084*
dwarf 9791
Europe 25745
fertilizers 10217 52984 61334
Canada 35273
Italy 78656*
Latvia 10316*
Oklahoma 10188
for borders 43467 78116
for various situations 1812 17469 25765 60836 60839 78125 89052
forcing 17510*
fungus diseases 32985*
control 24307 41914* 77174*
France 58933*
Rumania 67770* 67802*
genetics 8813*
Germany 69843*
East Germany 9692*
germination 8957
hardiness 8878 16777
hybrids 89094 25768*
Iceland 17426*
Illinois 78112
industry
Belgium 57620*
Florida 66300 66304
Minnesota 40237
Netherlands 85137*
Virginia 6613
injuries 24121 24114* 41613*
irrigation 52984
Italy 34795* 34833* 40230* 85120*

Item

Ornamental plants--Cont
Japan 1785 25722 25723 89034
marketing 7326 14646 22936 31650 75793 94109
Mexico 86482
nematodes 605 620 77281
Norway 9697* 34806*
nutritional deficiencies 24790*
packing 68594
perennials 17651 34774 52306 89085 89105 60795* 89033*
Kansas 34817
Netherlands 1758* 42073*
New Zealand 43472 52016
USSR 9740* 52035*
pest control 4644 43534 46610 73327 73323*
Alabama 64028
Arizona 46609
Australia 55523 58833
Canada 37765
Florida 92202
Great Britain 81828
Mauritius 63776*
Norway 12599* 46611*
Ohio 64029
USSR 20857* 24141*
Wisconsin 50252
pests 46607
Australia 4697
Belgium 64027*
Great Britain 12601
Latvia 47036*
Poland 82514*
USSR 64033*
planting 43510*
propagation 9704 9776 52064 69881*
by cuttings 9738 9790 69819 9759* 60854*
by grafting and budding 9791
by layering 78123
Republic of South Africa 60750
Rocky Mountains 60809
Rumania 67309*
seeds 8878 17416* 33084* 43510* 88992*
soilless culture 9772*
soils 9988 26024 70506
spraying and dusting 15961 92198*
statistics 22946*
Switzerland 17841*
Tropics 9790
USSR 25698* 34725* 34864* 67334* 89019* 89042*
varieties 1793 9726 17467 17582 25792 34783 34840 43508 43534 43613 52065 89013
Australia 52049
California 89009
Canada 16777
France 43483*
Germany
East Germany 43493*
India 9718
Iowa 25539
Louisiana 89005
New Zealand 9735 69892 78125 89046
Rhode Island 60837
USSR 34846*
Washington 25785
virus diseases 86893*
weed control 17651 34990 43694 52162 52176 52196 52306 70084 17827*

Item

Ornamental plants--Cont
SEE ALSO Flowers; names of ornamental plants; and UNDER Greenhouse culture
Ornamental trees 1796 9795 17462
Brazil 34822* 89084*
California 34704
culture 1805 60784*
Norway 34756*
USSR 25741* 43459* 60644* 60791* 60796* 69890*
Denmark 52037*
diseases 86686
espalier 17543
fertilizers 35422 61375
forcing 25767*
fungus diseases 15984
hybrids 25734*
India 89032
Ireland 9743*
Japan 15760* 76841*
Latvia 25690*
Mexico 86482
moving 34734
nematodes 610
New Zealand 9693
pest control 46609 73325 73366 86686 73324*
pests 82315*
planting 69802 43461* 43466* 43510* 60823*
propagation 43561 34848* 43514* 89101*
by grafting and budding 9758 51898 34710*
by layering 69811
pruning 17420 17430 17467 43503 43507
rootstocks 9758
seeds 43510*
Sweden 9691* 52012* 52044*
Tropics 34797
USSR 1784* 25741* 43460* 60757* 60814* 60825* 60845* 69858* 69863* 69885* 88995*
varieties 1794 1830 34728 43508 43520 43528 69840
Eastern States 89107
India 89099
Massachusetts 9751
Norway 34756*
Pacific Northwest 69853
USSR 60840*
Washington 25785 34862 34863 89028
Orneodes 29710*
Orneodidae 29710*
Ornithine transcarbamylase 16979 51469
Ornithodorinae 55672*
Ornithodoros 55670 55709 92034 5245* 55672* 63844* 73559*
Ornithodoros gurneyi 55262
Ornithodoros hermsi 73181
Ornithodoros kelleyi 82198
Ornithodoros lahorensis 63821*
Ornithodoros moubata 57709
Ornithodoros nereensis 55318*
Ornithodoros papillipes SEE Ornithodoros tholozani
Ornithodoros tartakovskyi 55318* 63807*
Ornithodoros tholozani 55318* 64304*
Ornithodoros turicata 81571
Ornithodorus SEE Ornithodoros
Ornithoica vicina 4459
Ornithomyia 46934 92443
Ornithomyia avicularia 5080
Ornithomyia fringillina 4459 5080

Item

Ornithonyssus 38019
Ornithonyssus bacoti 46780 92035
Ornithonyssus bursa 46780
Ornithonyssus sylviarum 28874 55342
Ornithopus sativus 87670
Ornithosis
cattle 72225
ducks 11940* 54787* 72625*
transmission 37092* 72637* 91506*
treatment 80885*
mice 54670*
poultry 80880 20250* 72697* 80890*
reviews 20227*
swine 37365*
turkeys 81487 91942
virus 54670*
Orobanchaceae 58648 87371*
Orobanche 58648 70030
Orobanche ramosa 43787*
Oropodes (Euplecterga) n sgen 82271
Oropus 82271
Orostachys SEE Sedum
Orotava (Canary Islands)
Jardin Botanico 9
Orotic acid 42936 69179 20105* 28205* 72000* 80681*
Orphinus 64326
Orphistes caswelli 82335*
Orsillinae 92516
Orthezia insignis 38310*
Orthocaulis binsteadii 32897
Orthocide SEE Captan
Orthocladiinae 82168
Orthodontium pellucens 32892*
Orthohalarachne letalis 21069
Orthomorpha 38041
Orthomorpha gracilis 29044 55700*
Orthopedics 19591 45285 63003*
Orthophosphates SEE Phosphates
Orthoporus 55690
Orthoptera
Africa 29758 82821
anatomy and physiology 64708 5555* 47222* 56006* 82836*
Asia 82821
California 29754
Cameroun 82845*
Canada 5585
collecting and preserving 82848
East Africa 21461*
ecology 38544 73877* 82833* 92637*
eggs 82817 92639 29764*
food and host plants 21453
Great Britain 38545 64724 73866 82881
habits and behavior 13048
India 64705
Italy 38543*
Malagasy Republic 82821
Nearctic Region 13069
New Zealand 28962 82849
nomenclature 21459 21462 73868
nymphs 73874*
parasites 73553 82825 29448* 56010*
Rumania 92645*
taxonomy 21449 21457 21469 29753 38529 38550 47208* 64703* 82838*
Turkey 47212 47221*
USSR 56002*
Yugoslavia 47213* 92640*
Orthopteroida 21461*
Orthopteroidea 73877*

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Item

Orthosiphon grandiflorus 88039*
Orthosiphon stamineus SEE Orthosiphon grandiflorus
Orthosmittia 12874
Orthotomicus 64379*
Orthotrichia 47247 64731
Orthotrichum exiguum 67545*
Orthotylus 38315
Orxines macklotti 29760*
Oryctanthus 16341
Oryctes rhinoceros 12810 12811 29094
Oryza 8840 15798 33790 42448 33242*
Oryza australiensis 16484
Oryza perennis 15746 67488*
Oryza rufipogon 52319*
Oryza sativa SEE Rice
Oryza sativa spontanea 25134*
Oryzaephilus surinamensis 4723 29348 37772 92217 55744*
Oryzopsis 8257
Oryzopsis asperifolia 51777
Oryzopsis hymenoides 25452 68447
Osacon 43823
Osageorange SEE Maclura
Osaka City University Biological Expedition to Southeast Asia 49978
Oscillatoria 214 41524 70366* 77003*
Oscillatoria chalybea 50696
Oscillatoria limosa 87275 33639*
Oscillatoria princeps 34285
Oscillatoria subbrevis 59882*
Oscinella frit 12511 81825
  anatomy and physiology 29447* 63883* 63925*
  as pests 20768* 63923* 63925* 63927* 63928* 73215* 86792*
  control 4633 81727 12474* 63887* 63926* 63956* 63963* 73240* 73241* 81707*
  Denmark 28992*
  food and host plants 63911
  Great Britain 46479
  habits and behavior 5152 64436*
  India 21202
  larvae 12896* 63931* 64467*
  outbreaks 63920*
  rearing and breeding 5166
  USSR 92138*
Oscinella pusilla 63925* 63927*
Oscinis frit SEE Oscinella frit
Oscinosoma frit SEE Oscinella frit
Oslaria haematosticta 13040
Osler Sir W 8022
Oslo Papirindustriens Forskningsinstitutt 19272*
Osmanthus 32772*
Osmia gaudiosa 82621
Osmium oxides 42834*
Osmosis 1151 5651 9213 13007 16514 16720 42642 42794 51114 59851 77753 8975* 16327* 25066* 33822* 34003* 38218* 42564* 42843* 60103* 60108* 68543* 68940* 77271* 87562*
Osmotic pressure SEE Osmosis
Osmunda cinnamomea 16369
Osmylus chrysops 56046*
Osoriinae 64340*
Osorius 73509
Osprynchotus gigas 92553
Ossaea 50017*
Ossification
  cattle 62836*
  dogs 3668
  horses 28119*
  mice 28138*
  poultry 3968
  sheep 12158*
Ostedes 46816*
Ostensson A 32552*
Osteoarthropathy 90984*
Osteochondroma 54630*
Osteochondrosis 90999
Osteodystrophy 91258 91712 45812*
Osteomalacia 63165 3652* 62835*
Osteomyelitis 11783*
Osteoporosis 63262 63281* 72301*
Ostergötlands Läns Hushallningssällskap 86124*
Osterius melanopygius 38010*
Osterreichische Gesellschaft für Ernährungsforschung 15419* 38877*
Osterreichisches Holzforschungsinstitut 62207*
Ostertagia 12117
Ostertagia circumcincta 81122
Ostertagia infestation SEE Stomach worms
Ostertagia lyrata 54380 80326
Ostertagia mossi 4106*
Ostertagia ostertagi 36698 72143*
Ostertagia skrjabini 46155*
Ostfold Skogselskap 89994*
Osthelderiella n g 92607*
Osthelderiella amardiana 92607*
Ostifternes Land-Hypothekforening 14712*
Ostomatidae 73615
Ostrinia nubilalis
  anatomy and physiology 12493 55922 38475*
  and plant disease 12451
  as pests 28975* 63900*
  China 37625*
  control 4605 20721 20724 28947 28983 63924 81633
  biological 37673 46516 63965 28949* 63961* 81657*
  Delaware 4598
  Hungary 73225* 73226*
  Ohio 73252
  Rumania 46485*
  Switzerland 12474*
  tests 4620 20700 46460
  USSR 12481* 12520* 73229*
  United Arab Republic 29037
  Yugoslavia 92090*
  diseases 21416
  ecology 21422*
  food and host plants 92065*
  habits and behavior 55415 28778* 64665* 92583*
  India 55220
  Italy 29054*
  North Central States 55388
  outbreaks 92085*
  parasites 46515
  Poland 46462*
  populations 21359 21394 37643 55388 64645
  predators 5016
  pupae 21355
  reviews 63970
Othoniomyia (Sphagolestes) n sgen 82382
Otibazo n g 12831
Otiorhynchinae 21154
Otiorhynchus schaeferi 64378*
Otiorhynchus sulcatus SEE Brachyrhinus sulcatus
Otitidae 46960 73705 92471
Otitis SEE Ears, diseases
Otobius megnini 4496
Otocepheidae n fam 29283
Otocryptops 21066*
Otodectes cynotis 28923
Ottawa (Michigan) National Forest 10884
Ottawa National Mycological Herbarium 86580
Ottawa River Forest Protective Association 19047 20904
Ottochloa 32801
Oudemans T C 76708*
Ouratea spectabilis 87245*
Outlook, agricultural SEE Situation and outlook; and SUBHEAD situation and outlook UNDER specific subjects
Ova
  cattle 91034*
  goats 46240
  rabbits 28394 28395 37157 72761
  transplantation 37155 91608 46083* 54869*
  sheep 37239 91680 54963*
  swine 37298
Ovalbumin 57437
Ovarian cysts
  cattle 80387 72211* 80228*
  dogs 54501*
  horses 3771*
  rats 72444* 72445*
Ovariectomy SEE Oophorectomy
Ovaries
  buffaloes 62908
  cattle 19919 20481 27757 36608 36613 80212
  dogs 28008 45782
  hamsters 36940
  horses 20090 28113 54640 80633
  insects 5131 5249 21321 38171 38173 47170 55840 55998 55999 56005 64447 82251 82431 82640 12910* 13056* 13067* 28857* 37884* 37935* 37943* 38269* 64472* 73242* 82731* 82820* 92521*
  pigeons 63318
  poultry 3924 20248 20249 45991
  sheep 81093 63507* 63508*
  swine 4235 20481 28716 46252* 81287*
Overseas Conference Crease-resistance and Crease-recovery 39569
Ovicides 12769 81361 28756*
Oviducts
  cattle 62735*
  pigeons 11939
  poultry 3924 63272 72592 91505 37027*
Ovipositors 12968*
Oxacis 21083
Oxalacetic acid 51573 88215
Oxalates 16973 19606 30371 47644 87612 14065* 50950* 65718* 71998* 89482*
Oxalic acid
  determination 51565*
  in feed processing 6406*
  in plants 51569 8944* 9136* 69259* 75107* 77835*
Oxalic oxidase 1391
Oxalis 1952 18035* 41493* 61783*
Oxalis cernua 54285* 77835* 79653* 80258*
Oxalis corniculata 86485*
Oxalis corymbosa 25914
Oxalis latifolia 25910
Oxalis pes-caprae 89385
Oxalis semiloba 9916
Oxamide 26613 89667
Oxazolidinediones 16287 52259*
Oxen SEE Cattle, draft
Oxford Farming Conference 23191 23192
Oxford University
  Dept of Forestry 89995
  Imperial Forestry Institute 79080
Oxidase
  in blood 72098
  in insect physiology 12934
  in plants 8435 9232 9267 51052 88141 9121* 9122* 25151* 39646* 51278* 60107* 68939*
  in wood 44977*
Oxidation reduction potential SEE UNDER specific subjects
Oxides 10039 17971 22711 43974*
Oxidosis SEE Acidosis
Oxidus gracilis 4714
Oximases 55628
Oximes 55628
Oxoacids 22905 47661 14474*
9-Oxodec-2-enoic acid 29177
alpha-Oxoglutarate 9165
Oxonium 18177
Oxycarenus hyalinipennis 5211 5261
Oxycinnamic acid 88162*
Oxycleptes SEE Cleptes (Oxycleptes)
Oxycoccus SEE Vaccinium
Oxygastra curtisi 38569
Oxygen
  determination 47654* 83784*
  effects on dairy products 6250 6246* 30608*
  effects on food 93096*
  effects on insects 21440 37950 38158 38233 46735 82871
  effects on microorganisms 19547* 68759* 70258*
  effects on plants 1371 6699 9050 9151 16735 34211 42236 42550 51030 60175 66273 68603 68838 68915 69030 78408 87614 87616 87649 88043 24923* 25115* 25208* 34213* 42753* 59803* 68758* 69071* 70258*
  in animal physiology 19581
  in blood 3763* 12273*
  in cattle physiology 11674*
  in dog physiology 11779*
  in food 74431 93038
  in fruit juices 75200*
  in insect physiology 5115 12841 21139 29547 37950 82910 12827* 29764* 47231* 55712* 64218*
  in insecticide formulations 73105
  in milk 48017* 74737* 83785*
  in plants 1159 1260 42468 42706 43904 48973 59872 59873 69148 88113 34143* 34215*
  in poultry physiology 45986 91449 91551
  in rabbit physiology 37151 54862

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Item

Oxygen--Cont
in ruminant physiology 62494*
in sheep physiology 81040
in soils 16735 18236 34033 35159 35190 42898 43904 51030 51221 70252 87769 89516 10023* 43903* 52595* 70258* 70301*
Oxylamia 92347*
Oxyna flavipennis 73684
Oxypeltarion n g 82534*
Oxyproline 39912*
Oxyptila 4959
Oxyptila brevipes 4912
Oxytenanthera 29156
Oxytenanthera abyssinica 9936
Oxytetracycline
effects on bacteria 11292 67348*
effects on cattle 27536 71992 3450* 54165* 54446*
effects on dogs 53895
effects on ducks 91426*
effects on insects 21363
effects on plant disease 77203
effects on poultry 37002 37066 37067 72684 53895* 54820* 63243* 72550* 72561* 72579* 80738* 80831* 91383* 91427* 91428* 91476*
effects on sheep 81005
effects on swine 12212 12235 28575 46258 55009 81237 53895* 55134* 72948* 72962* 72964* 72972* 91916*
in feed 3855 11529* 74928* 72964*
in meat processing 93882*
in milk 54165*
residues 46258 81924*
therapeutic use 3129* 3138* 11265* 53961*
cattle 27785* 54263*
swine 28632*
Oxythrips 5637 92649*
Oxytocin
effects on animals 71627*
effects on cattle 36718 62786 11629* 19783*
effects on goats 37201
effects on poultry 63336
effects on swine 28563*
Oxytropis 24030 50728
taxonomy 187* 15771* 41349* 58651*
Oxytropis glandulosa 68281*
Oxytropis muricata 68281*
Oxytropis varlakovii 68281*
Oxyuriasis SEE Pinworms
Oxyuris equi 11837
Ozone
effects on insects 20978*
effects on plants 10800 41707 58897
in rubber industry 7183 22791 31487 31488 40133
measurement 41700
Ozonium texanum 409

Pacchionian bodies 90628*
Pachnistis 21366
Pachybasium 271*
Pachybrachys 21113
Pachycereae 50020*
Pachycereus orcuttii 67482
Pachycolus 46858*
Pachycondyla 82611*
Pachycotes 82326*
Pachycrearus kenyensis 73652*
Pachydemini 64355*
Pachydesus 21125*
Pachydiplosis oryzae 28993 29029 63940
Pachygaster 29443 55769
Pachygaster meromelas 64533
Pachygasterinae 29443
Pachylepyrium 41542
Pachylinae 82188*
Pachylomerus piceus 82121*
Pachynematus 47097*
Pachynematus clitellatus 28944*
Pachyneuron solitarius 55579*
Pachyonix 82274*
Pachypaederus 64339*
Pachypleurum alpinum oil 66109
Pachypodium namaquanum 32764
Pachyprotasis 47109
Pachysandra terminalis 34847*
Pachytodes erraticum 21102*
Pachytomella parallela 73752
Pachyveria 41412
Pacific Coast Regional Member Relations Conference 40927
Pacific Crest Trail System 10881
Pacific Logging Congress 27023
Pacific Lumber Inspection Bur 2881
Pacific mite SEE Tetranychus pacificus
Pacific Orchid Society of Hawaii 1754
Pacific Science Congress 7997 7998 26679 86125
Pacific spider mite SEE Tetranychus pacificus
Package egg programs SEE SUBHEAD industry, vertical integration UNDER Poultry
Packaging SEE Packing
Packers and Stockyards Act 6989 48654 57266 75431 48655*
Packing 13516 74498*
bibliographies 13514
industry 21860
labor 85277
legal aspects 47757
materials 6327 21857 47762 57272 65185 65186 93111 30616* 46613*
SEE ALSO Containers; and UNDER specific subjects
Pactana n g 64499
Paddy Pilot Scheme (India) 2294
Padina 60333
Padlock virus 36655
Padua Stazione Bacologica Sperimentale 46713*
Paduniella 47258*
Padus SEE Prunus
Paecilomyces elegance 65589
Paecilomyces variabilis 15853
Paederidus 82256*
Paederus 64339*
Paeonia
Caucasus 41411*
culture 25736*
cytology 8801*
diseases 77192 544*
morphology 68282* 68340*
Paeonia arborea SEE Paeonia suffruticosa
Paeonia suffruticosa 69809*
Paepalanthus 32715
Pagmania n g 47130*

Paints and varnishes 2831 2865 6694 7104 7105 8953 10933 10935 13379 14496 22738 27048 30082 30965 35953 35957 38838 39936 40035 48644 75532 90343 90363 27041* 36011* 45026* 45031* 90345*
fire-resistant 10971*
fungicidal 19173*
insecticidal 4417
Paish F W 74453
Pakistan Central Cotton Committee 6551
Palaeolecanium bituberculatum 47048* 55485*
Palaeoxys n g 92557*
Palamnaeus bengalensis 82156
Palamnaeus longimanus 4956
Palarus 5270
Pale western cutworm SEE Agrotis orthogonia
Paleagapetus celsus 73899
Paleobotany 1 8123 15624 15639 23853 23882 32630 32643 32677 41300 49902 49905 49908 49911 49918 49921 49945 49962 67296 67297 76828 76874 76889 86308 87248 8712* 23890* 23891* 32676* 32686* 49946* 58527* 76853* 86340*
Arizona 8135
associations 41278*
Atlantic area 49915
Australia 11 15632 32691 76824 76830 86299 86367
Belgium 23861* 32642*
bibliographies 32641 86310
Bulgaria 58538*
Cambodia 32625*
Canada 23938 41267 49964
collections 62
Colorado 41288
Czechoslovakia 23874* 23889* 41277* 41297*
Denmark 23851 67347*
East Africa 49906
Eastern States 76822
Europe 49906
Far East 66*
France 15635* 23862* 32633* 32660* 41257* 49910* 49914* 49916* 49917* 58492* 58505* 86303*
Germany 15627* 15628* 32623* 32660* 32678* 41266* 67323* 86290*
East Germany 58530* 86335*
Gough Island 67322
Great Britain 7 14 36 15633 15675 23893 23904 32693 49960
Greenland 76857
Hungary 86345 23872* 32650*
India 20 8125 41265 49947 49963 76893*
Iowa 24 8150 49934
Iran 23856* 67325*
Ireland 32689
Israel 32672*
Italy 23878* 23879* 32668* 58537*
Japan 51— 54 49912 76847 76862 76895 32640* 32661* 32665* 86375*
Kansas 41312

Paleobotany--Cont
Kerguelen Islands 32619*
Latvia 15636*
Louisiana 32635
Mallorca 23883*
Massachusetts 32618
Michigan 8115 67332
Minnesota 18 58501 86324
Mississippi 32635
Montana 76820 86288
Nebraska 12 15670
Netherlands 32653* 67303*
New York 32647 41245
North America 49912 32640*
North Carolina 86379
Oklahoma 41314
Pacific area 49938
Pacific islands 32648
Poland 15664* 15673* 23866* 49901*
Republic of South Africa 67351
reviews 58497* 58525*
Sahara 23885*
Scandinavia 49915
Scotland 41256 15659*
Sierra Nevada 23852
South Dakota 23896 49975
Southern Hemisphere 49940*
Spain 23883* 58566* 67372*
study and teaching 8114
Tasmania 49909
Tristan da Cunha 67322
USSR 86306 23* 37* 8127* 8130* 8143* 8144* 8146* 8147* 8159* 8161* 8162* 8172* 8173* 15630* 15638* 15649* 15668* 23871* 23894* 32644* 32652* 32666* 32673* 32688* 41258* 41289* 49903* 49913* 49926* 49927* 49972* 58478* 58480* 58481* 58487* 58498* 58504* 58514* 58518* 58551* 58559*–58561* 58564* 67301* 67304* 67311* 67352* 67360* 67363* 67376* 86283* 86285* 86286* 86297* 86304* 86305* 86312* 86313* 86319* 86326* 86327* 86329* 86330* 86331* 86337* 86349* 86355* 86370*–86372* 86381* 86382* 86383*
Western States 76855
Wisconsin 15683
Wyoming 67298
Yugoslavia 86369 8117*
SEE ALSO Pollen studies
Paleoentomology SEE Insects, fossil
Paleologus 73509
Paleontology 67333*
Paleophileurus sclateri 82303*
Palikiella n g 68101 77003*
Palimna 92347*
Paliurus 17829*
Palladium 13818
Palletbins 22406 22409 75168 75175 83494 84299 93614
Pallets 14126 19250 22407 36021 39664 47754 53632 75173 90342 65129* 65136* 93671*
SEE ALSO Containerization
Palloria n g 47130*
Palluperina nickerlii 21388*
Palm juice 40167

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Item

Palm kernels 14480 57368*
Palm oil
contamination 22665*
industry 7093 31406
oxidation 14458*
processing 89431 57368* 84812*
storage 93899
Palm sugar 31538 75722*
Palm wax 22689
Palmae
anatomy and physiology 8926 50814
Brazil 24005
Ceylon 124
Colombia 8207
Cuba 83*
culture 89054 89109*
Florida 58696
Great Britain 67496
Indonesia 23956 23999 41439*
Mexico 24016
morphology 837 8792 24668 68387 16316*
New Caledonia 41390*
pests 12838*
taxonomy 41390*
varieties 89054 60764*
Palmarosa oil 7103
Palmer E J 86147
Palmitaldehyde 3292
Palmitric acid 40065 51566
Palmodes 12952
Palmyra palm 22945 42202
Palomena prasina 55847*
Palpi 12795*
Palpigrada SEE Microthelyphonida
Palpomyia 64464
Pamborus 29346
Pamera 21307
Pammene rhediella 73279 92146*
Pamphilius albopictus 38383*
Pan American Coffee Bur 39168
Panaeolus 60284
Panama wilt
bananas 86758 77135*
Panamaoesmus n g 4936
Panamomops 46796*
Panax ginsing SEE Panax schinseng
Panax schinseng 7325 8978* 16919*
Panaxia dominula 12995 29655 38448 55934
Pancallia SEE Cicindela (Pancallia)
Panchlora 5581
Pančić J Drveće i Siblje u Srbiji 76941*
Pancratium 87690
Pancratium maritimum 78242*
Pancreas
cats 27976
cattle 11605* 45567* 72207* 80396* 91040*
diseases 3704*
reviews 11334*
dogs 11790 27976 72331
guinea pigs 11854
poultry 11973*
sheep 4137
swine 81217 12255*
Pancreatic juice 37276
Pancreatin 91469
Pandanaceae 86509
Pandanus 168 16392 50071 76949 86509
Pandanus candelabrum 76950
Pandanus pistillaris 179
Pande S K 8059
Pangolagrass SEE Digitaria decumbens
Pangoniinae 64427*

Item

Pangoniini 82411
Panicum 180 58628* 78208* 89332*
Panicum antidotale 69143 88077
Panicum hemitomon 1630
Panicum maximum 10272 42852 50942
Panicum maximum gramalote 50277
Panicum miliaceum SEE Proso
Panicum miliare 65898
Panicum purpurascens 34219* 77349*
Panicum ramosum 77468
Panicum spectabile 89256*
Panicum turgidum 68156*
Panicum virgatum 909 1091 24717 50323 51327
Panleukopenia SEE Feline infectious enteritis
Panogen SEE Cyanomethylmercuriguanidine
Panolis flammea 20917* 55569* 73391*
Panonychus 82122 82123
Panonychus citri 63979 63994 64307 73578 82123
acaricide resistance 4373
control 46341
Panonychus ulmi 73264 82123
acaricide resistance 55187* 73096*
as pests 12541 92143
control 73313 81750
biological 73303
California 64001
Canada 20841
Great Britain 92159
Maine 46533
Netherlands 81789
Poland 12562*
Rumania 63998*
Sweden 63786*
tests 46592*
eggs 12568 73313 20851* 37497*
habits and behavior 64288
Hungary 46551*
nutrition 12786
populations 21058 21063 81789 63902*
predators 64009*
rearing and breeding 63998*
USSR 37702*
Panorpa 82862
Panorpa communis 73901*
Panorpa hibrida 73901*
Panstrongylus megistus 29526
Panstrongylus megistus leucofasciatus 47023*
Pansy SEE Viola
Panthiades m-album 82689
Pantorhytes 46575
Pantothenate 64223
Pantothenic acid 3872 42994 63583 3956* 69045* 80794*
Papain 20294 48471 84205
effects on rabbits 80932*
properties 30947* 56964* 65710*
utilization 30947*
Papanicolaou's stain 27711* 62785* 91011*
Papaver
anatomy and physiology 16872 68628*
biochemistry 42981* 69227* 69235*
culture 52052 43859* 70118*
genetics 87460*
seeds 31520*
varieties 52052
yields 70118*

Item

Papaver macrostomum 50743*
Papaver orientale 1393 8738* 34316* 42330*
Papaver somniferum
biochemistry 1393
breeding 89420*
culture 89421 35068* 43856* 43879*
cytology 763*
diseases 58914*
harvesting 89437*
morphology 16348 68267*
pest control 58914*
varieties 43856* 89420*
Papaver walpolei 15734*
Papaveraceae 86440
Papaya oil 31417*
Papayas
anatomy and physiology 33668
culture 69723*
diseases 59183
enzymes 48471
fertilizers 10216
germination 9119
morphology 42304
nematodes 87125*
pests 73314*
Paper SEE Pulp and paper
Paper and Pulp Makers Directory of Sweden Norway Denmark and Finland 36034
Paper chromatography SEE Chromatography
Paperboard 2961 2973
gluing
reviews 36033
Paphiopedilum SEE Cypripedium
Papilio 73797
Papilio antenor niger 92582*
Papilio astyalus 92599*
Papilio brontes 55948
Papilio cassioides 64690
Papilio dardanus 5374 5536 55955 73808
Papilio demolius 13047
Papilio glaucus 38447
Papilio machaon 92595*
Papilio magdae 55948
Papilio ophidicephalus 55948
Papilio polymnestor 73847
Papilionaceae 32815 46521* 68703* 70673*
Papilionidae 5489 13047 21411 47161 73797 29741* 92599*
Papilionoidea 5396 5430 82695 92586
Papilloma 3430 27820 62750 91061 62830* 80222*
reviews 11549*
Papin D 6488
Pappataci fever 20614 55255
Paprika 21971* 56549* 65345* 72525* 72553* 83695*
Papyrus SEE Cyperus
Para-aminosalicylic acid 81242*
Para-oxon 63738 63863 81405
Paraamblyseius n g 55696
Parabalta alticola 82188*
Parabereopsis n g 92346*
Parabioses 82737*
Parablepisanis 92346*
Paraboea 90 32696
Parabolocratus 64499
Paraborniella n g 12874
Parabrotica n g 82215*
Paracalacarus n g 92328
Paracalydon n g 21159*
Paracamptomyia SEE Camptomyia (Paracamptomyia)
Paracelsus P A 86219*

Item

Paracentrotus lividus 33517
Parachaitophorus 47047
Paracharilaus n g 82821
Parachelifer 92317
Parachernes 92317
Paracladoxena 82342
Paraclavelia 5270
Paracolobactrum arizonae 3937 45978 79893
Paracolobactrum intermedium 84883
Paracomacris centralis centralis 21465
Paraconops 5074
Paracopium 64519*
Paracrinkle potatoes 24413
Paracromastigum n g 8270
Paracyphononyx 82602
Parada 5221
Paradasytes n g 82271
Paradesmus gracilis 37758
Paradiarsia punicea 82753*
Paradichlorobenzene 4699 55508 81426 4730* 77677*
Paradocus 82225* 92348*
Paradoris 64622
Paradorydium 38289*
Paradromus n g 4941
Paraferreola 82602
Paraffin oils 86353
Paraffins 3592* 13833* 28139* 69159* 75108* 88957* 91904*
Paraformaldehyde 57509
Parafrea n g 92347*
Parageloiomimus n g 82821
Paraglenea 92347*
Paragolsinda n g 92347*
Paragomphus 21500
Paragonimiasis SEE Lung flukes
Paragonimus miyazakii 28054*
Paragonimus ohirai 55131*
Paragonimus westermani 3711*
Paragrass SEE Panicum purpurascens
Paragynoxys 8199
Parahieroglyphus bilineatus 92641
Parahypopta n g 92580*
Parainfluenza 3412 3486 19940 80459 80475 72097* 80230*
Paraisotricha equi 28092
Parakeratosis 11496 12275 19602 37337 37411*
Parakosa n g 82166
Parakosa tadarida 82166
Paralabis dohrni 73903
Paralactica n g 82215*
Paralasa 55990
Paraleleupidia 73595*
Paralimnus 38289*
Paralimnus (Bubulcus) n sgen 38389*
Paralobesia viteana 12537 81811
Paraloma n g 82247
Paralysis
Apis mellifera 64121* 82007* 82008* 82010*
cats 3662*
cattle 62720 27537* 36650* 45583* 45668* 62766* 72140* 80425*
dogs 45750 54558* 72309* 80566*
ducks 91479
horses 72417*
insects 81987*
poultry 12011
swine 12241*
SEE ALSO Lymphomatosis; Tick paralysis
Paramecyna n g 47130*
Paramphibolus alfierli 82568*
Paramphistomiasis SEE Intestinal flukes

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Item

Paramphistomum 53878
Paramphistomum cervi 53876
Paramphistomum microbothrium 72122 91699
Paramyelois transitella 12569 13043 64002 73298
Paramyiomma 47007
Paramyrmica 29589
Paranaita 82215*
Paranaleptes reticulata 29147
Parananilla n g 92347*
Parandrinae 82293
Paraneonyssus hirsti 73155
Paranthostomella 32945*
Paranthrene 47206
Paranthrene tabaniformis 29115* 73854* 81867* 92247*
Parantiteuchus n g 73757
Parantiteuchus hemitholus 73757
Parapeltella 32949*
Parapetiia n g 64355*
Parapetiia camba 64355*
Paraphanaeomorphus SEE Onthophagus (Paraphanaeomorphus)
Paraphidius 12975 46643*
Paraphloeopsis n g 46817*
Parapholidoptera 56000
Paraphysotheca n g 32940*
Paraphytoseius n g 92340
Parapiagetia 5316*
Paraponyx stratiotata 92660*
Parapromachus SEE Promachus (Parapromachus)
Parapsyllaephagus n g 5255
Parapsyllaephagus adulticolus SEE Sectiliclava cleone
Pararge achine 47179*
Pararge aegeria 64650
Parascatopse 73665
Paraschistonyx n g 82602
Paraseiulella n g 4941
Paraseiulus n g 4941 64321*
Parasemidalis annae 5655
Parasemidalis fuscipennis 5655
Parashorea 11106
Parashorea malaanoan 71491
Parasites of animals SEE Verminosis; names of parasites; and UNDER names of hosts
Parasitic bronchitis SEE Lungworms
Parasitic plants 1237 16776 51410 60980 70090 89392
  anatomy and physiology 8521 8531 8532 9146 9178 9209 25118 41892 51053
  SEE ALSO names of parasitic plants; and SUBHEAD plant parasites UNDER names of host plants
Parasitidae 46788
Parasitiformes 64297* 92341*
Parasophroniella 92347*
Parastathes n g 92350*
Parastathes (Antennastathes) n sgen 92350*
Parastigmatellina 67580*
Parasitologists 27384
Parasitology 11303 20622 81598
  conferences and congresses 71820*
Parasphenula 82826
Parastizocera n g 5014
Parastypiura maculata 82614*
Parasyphraea 82215*
Paratanytarsus 29460*
Paratelmatoscopus 64444
Paratendipes 64419
Paraterpogon n g 82382
Paratetranychus ununguis SEE Oligonychus ununguis

Item

Parathion
  analysis and composition 4398*
  determination 28799 81404
  effects on plants 29028 55193 59430*
  emulsions 81714*
  fly control 12320
  fruit pest control 4706 29105 12584*
  insect resistance 4411
  mosquito control 55309
  mushroom pest control 29021*
  physiological action 81405 91970*
  residual effectiveness 91951 37505* 46529* 81714*
  residues 57021 84290 14068* 37505* 48414*
  strawberry pest control 12575*
  sugar beet pest control 92096*
  sweetcorn pest control 46453
  toxicity
    man and animals 4409 15906 63738 63749 81449 12418* 55273*
  tree pest control 92219*
  wheat pest control 92107*
Parathyastus 92347*
Parathyroid 37149 72246 28326* 36810* 54912*
Parathyroid hormone 37149 80314 36225*
Paratoxopoda 73712*
Paratractia n g 82382
Paratrechina longicornis 12395
Paratrioza cockerelli 28979
Paratritania n g 46817*
Paratropidema n g 46817*
Paratuberculosis SEE Johne's disease
Paratyphoid SEE Salmonellosis
Paravelleda 92347*
Paravespula SEE Vespula
Paravoruchia n g 47058*
Parawatsa n g 21313*
Parawithius 92317*
Paraxenotettix n g 82821
Parazyxomma n g 21500
Parchment 30614*
Pareiaxenus n g 82602
Pareiocurgus n g 82602
Paremydica divareti 12814*
Parepilysta 82225* 92347*
Parepistaurus 21461*
Paria 82215*
Pariana 16396
Parifodynerus n g 82599*
Paris 87414
Paris Académie d'Agriculture 15258*
Paris Ecole Française de Meunerie 75314*
Paris Institut de Recherches pour les Huiles et Oleagineux 17232* 60599*
Paris Institut Français de Recherches Fruitières Outre Mer 43388*
Paris Muséum National d'Histoire Naturelle 9338* 32671*
Parish C S 41414
Parity 13519 30266 31992 83520 49116*
  Austria 39027*
  France 57713*
  history 65194
  India 6023 40333
  Japan 75956
  SEE ALSO UNDER Prices
Parkinsonia aculeata 8761 16343

Item

Parks
  Austria 49956*
  California 4584
  France 58563*
  national 2786 10870 26981 71338
    Australia 79416
    France 66353* 66365*
    Great Britain 26979 44899
    Poland 87913*
    Scotland 35887
    USSR 32695*
    Virginia 2783
  Portugal 8212*
  state 19073 19076 19080
  USSR 32654* 35124*
Parlatoria oleae 20821* 20845* 37738*
Parlatoria pergandii 64020
Parmelia 15849 15850 34317* 34318* 86547*
Parmelia centrifuga 32956*
Parmelia isidiosa 87880
Parmelia koflerae 24079*
Parmelia perlata 8295
Parmelia tinctorum 88251
Parmulina 32979
Parnassia palustris 41476
Parnassiinae 29660
Parnassius apollo 29741*
Parnassius mnemosyne 92618*
Parnassius smintheus rubina 82806*
Parobisium 82126
Parochamus n g 38088
Parodia 96 69850 86499*
Parodiellinaceae 86598
Parodontorhoe SEE Odontorhoe (Parodontorhoe)
Paroncomera yatoi 29360
Paronella 73509
Paronthophagus SEE Onthophagus (Paronthophagus)
Paronychia 23942*
Parotid gland 27999 80525* 80528*
Parotin 72436*
Parrotia jacquemontiana SEE Parrotiopsis jacquemontiana
Parrotia persica 8158* 50715* 70859* 71605*
Parrotiopsis jacquemontiana 53733
Parsley 88182 89126 89302 70051*
Parsnips 25800 77561 89302 60337*
Part-time farming 31757 32002
  France 23434*
  Germany 14957*
  Great Britain 40539
  India 57953
  Louisiana 76149
  Maine 32094
  Michigan 76155 76219 76267
  Mississippi 14981
  Ohio 40865
  Scotland 85529
  South Carolina 85551
  statistics 85805
  Wisconsin 31938
Parthasarathiella n g 41521
Parthasarathiella prolifica 41521
Parthenium 78230
Parthenocarpy 823 8791 16347 33605 33616 33710 77353 87250 87378 24564* 42230*
Parthenocissus tricuspidata 1214 42234*
Parthenocissus tricuspidata veitchi 87595
Parthenogenesis
  arachnids 4910 73567
  arthropods 55650*

Item

Parthenogenesis--Cont
  insects 12848 38148 73772 82892 5099* 5516* 21413* 38220* 73538* 82091* 82537*
    reviews 37996
  plants 42311 50006 50671 50697 50701 50793 87378 24621* 42229* 68357*
  turkeys 80858 91372
Parthenolecanium corni SEE Lecanium corni
Particle board 2969 2974 11076 11083* 36110*
  combustibility 62244*
  construction 45109 53682 71557 56312*
  dimensional stability 27170
  directories 71557
  finishing 27168*
  fireproofing 36114*
  gluing 19306 36109 27163* 31574* 45113* 53696* 75596*
  manufacture 2962 2979 36099 79586 2972* 19307* 19308* 19312* 27161* 53690* 53698* 53699* 62191* 62193* 71559* 71566* 90441*
    Czechoslovakia 27166*
    Europe 53686*
    Germany 53693*
      East Germany 11078* 36111* 45106*
    Hawaii 48917
    Oregon 11071
    Poland 62188*
    reviews 53691*
    Rumania 71560*
  materials 2963 7290 11121 56983 79594 19241* 19302* 30810* 45037* 53692* 62194* 62244* 65620* 93488*
  moisture 2972* 27162* 62196* 62198* 71566* 79582*
  overlays 45120*
  Poland 19311*
  preservation 37812 65620*
  properties 2958 11088* 27162* 27172* 45116* 53685*
  sawing 62182*
  strength 36100
  tests 11077* 62183* 62196*
  utilization 53697 11085* 45037*
Partridges 73587
Parturient paresis SEE Milk fever
Parturition SEE Obstetrics; and UNDER Livestock and names of animals
Paruroctonus vachoni 4957
Parvitergum n g 12874
PAS SEE Para-aminosalicylic acid
Paspalum 23995
Paspalum dilatatum 28448 43245 52739
  diseases 51221 51222 77208*
Paspalum fasciculatum 46113 62338*
Paspalum fimbriatum 50015
Paspalum notatum 11538 25934 52739
  cytology 24579 42207
  fungus diseases 41732
  yields 26246 52708
Paspalum secans 42311
Paspalum urvillei 88652*
Paspalum yaguaronense 59564
Passaloecus turionum 21333
Passalozetoidea n superfam 29283

*Text of this reference is not in English.

Item

Passalurosis SEE Intestinal worms
Passerini Count G 86217*
Passerinia fragaefolii SEE Pentatrichopus fragaefolii
Passiflora 16383* 33410* 58544*
Passiflora edulis SEE Granadilla
Passiflora foetida 8611
Passiflora mollissima 25588*
Passiflora pulchella 70067
Passifloraceae 23936*
Passion fruit SEE Granadilla
Pasteur L 30388* 71757*
Pasteur effect 41930*
Pasteurella 46054 80459 91498 27705* 71750* 91548*
reviews 19442
Pasteurella hemolytica 36253 90585 91498
Pasteurella multocida 4143 11300 19903 45648 53847 53991 54310 81305 90594 3728* 4266* 11655* 20277* 20280* 27830* 28698* 36303* 46245* 53965* 54443* 71742* 71743* 71750* 81298*
Pasteurella pseudotuberculosis 72338 27361* 81303*
Pasteurella septica SEE Pasteurella multocida
Pasteurella tularensis 54591
Pasteurellosis 11300 27343* 71737* 79952*
cattle SEE Shipping fever
conferences and congresses 71819*
ducks SEE Fowl cholera
poultry SEE Fowl cholera
rabbits 72765*
reindeer 36303*
swine 4266* 55143* 71828* 82198*
diagnosis 28630*
immunization 71847*
treatment 12297*
treatment 11344*
vaccines 36269 3130* 71748* 71847*
yaks 91122*
Pasteurization SEE UNDER specific subjects
Pastinaca sativa SEE Parsnips
Pastures and meadows 17219
acreage and area 48134*
advisory services 60544* 77961*
Algeria 12087*
and disease 11357 20366 28491 28498 36323 36568 90752 36565* 37220* 81117*
Australia 27725
Czechoslovakia 36674*
Great Britain 46157 81027
Kenya 11235
Nevada 37246
New Zealand 71839 72861 72878 91710
Poland 28505*
USSR 63524* 72173* 90565*
Yugoslavia 81037*
Angola 50633*
Australia 1544 8874 17190 77843
Austria 60534*
bibliographies 2268
burning 20790 68122 88532
California 64310
Canada 34536 51771
Chad 9461*

Item

Pastures and meadows--Cont
Chile 88495*
community 15117
conferences and congresses 1602 25486 88630
contests 25423
cooperatives 30740*
costs and returns
Argentina 94120*
Australia 7663
Czechoslovakia 85637*
Great Britain 40671
Hungary 1599*
Poland 15069*
Scotland 85639
Czechoslovakia 44322*
desert areas 23420* 38866*
ecology 674 33483 33503 42166 50572 68165 77957 77524*
Africa 87177*
Belgium 87186*
Bulgaria 68098* 68142*
Canada 631
East Africa 59261
Estonia 24534*
Germany 16272* 24510* 33565* 42105* 42113* 44217* 77326*
Great Britain 663 8693 59313 59341
India 59312
Japan 24515* 87213* 88581*
Latvia 24498* 24536*
Lithuania 42143*
mountain areas 87144*
New Zealand 33479 42156 68122
Oklahoma 33458
Poland 8666* 10273* 24519* 69058* 77341*
Spain 16248* 24524*
Sweden 44278*
Tunisia 17210*
USSR 8705* 24528* 42122* 42123* 42142* 42153* 59262* 59306* 59344* 68159* 68176* 68201* 68204* 77325* 87215*
Yugoslavia 633* 42099* 59237*
equipment 1595 34486 65032* 73944* 74033* 83281*
Far East 60570 77966
fertilizers 1627 27756 37252 67129 70585 70657 74077 78589 78729 70600* 78604* 78652*
Algeria 61386*
Argentina 89652*
Australia 2317 18323 44183 44238 70605 78675 78678 78727 89696 89713 89730 89782
bibliographies 2269
Chile 44222*
Czechoslovakia 44144* 52755* 70548* 78630* 85637*
Estonia 26105*
Finland 78755*
Florida 2299 10224 18270 18352
France 61357* 90939*
Germany 2348* 10237* 24510* 35315* 44157* 44212* 44217* 44249* 52869* 56153* 61358* 70403* 70545* 74086* 77326* 78707* 78709* 88700*
East Germany 61412* 70603*

Item

Pastures and meadows--Cont
fertilizers--cont
Great Britain 8693 18125 78751 78752 91075
Hungary 52805* 59229* 61448* 70697*
Illinois 61656
Iowa 89738
Ireland 89653
Italy 78599*
Japan 9491* 70566*
Kenya 2339
Louisiana 71339
mountain areas 59383* 61434* 70524*
Netherlands 2314 44178 2319* 10255* 44242* 44273* 78673*
New Zealand 26284 52744 70610 70611 78749 89692 89699 89715
North Dakota 2259
Northern Ireland 9055 10233 89716
Norway 61409* 61450* 78668*
Poland 10253* 10273* 26297* 69058* 70578* 89690* 89767*
Rhodesia and Nyasaland 78565
Rumania 78676*
Scotland 52728
Sweden 9485* 44278* 70591*
Texas 18371
Tropics 2269
USSR 44232 2354* 10239* 10257* 10267* 18252* 35392* 70490* 70574* 89818*
Virginia 18361
France 9500* 43278* 88615*
Georgia 9457
Germany 88682*
Ghana 88572
Great Britain 17163 69547
Illinois 36165
irrigation 18561 28491 28921 70585
Australia 9468 19697 44183 61481 70770
Great Britain 89861
Hungary 18487* 27646* 28602* 45465* 70714*
Nevada 37246
Poland 28505*
USSR 10441* 18479* 78866*
Washington 72004
Wyoming 69498
Italy 1623*
Japan 1626 34504*
Kansas 93790
Louisiana 32115
management 1627 1629 11357 12007 12098 28498 34485 36568 42166 51188 51764 51784 60039 60185 60502 68535 69546 77934 77971 80198 90518 1571* 17161* 17204* 69532* 80139* 88664* 90513* 90929*
Albania 51752*
Algeria 61386*
Angola 69604* 69605*
Arctic Region 43267
Argentina 70483* 88497* 88499* 88651*
Australia 4157 9477 9514 17182 17192 25451 25480 25488 31329 34511 43307 54902 60498 61012

Item

Pastures and meadows--Cont
management--cont
Australia--cont
61604 62284 62638 69536 69537 69539 78967 88542
Austria 25490*
Belgium 34526* 60581*
Brazil 43259* 43260*
British Commonwealth 34495
Canada 1628 17180 53768 60529 60568 77945 77950 77963 88606*
Congo 1548*
Czechoslovakia 43273* 51750* 69535* 88591*
desert areas 88684 88668*
developing areas 54072
Florida 36424 43242
France 1542 43225 43271 43277 43284 17153* 17168* 17212* 43241* 60501* 60547* 88622* 90939*
Germany 9459* 10237* 16272* 51739* 25448* 34527* 60521* 60592* 64834* 65033* 68620* 69540* 69541* 69543* 69554* 70545* 72814* 88711* 92862*
East Germany 13169* 25421* 34483* 36502* 43232* 43305* 69515* 69550* 69551* 69568* 69616* 74348* 74349* 76108* 83251* 88645*
Great Britain 1541 1543 1563 1575 1579 1585 9448 9452 9465 17135 17205 34519 43217 43224 43238 52202 60512 77935 77944 77946 77947 77967 88570 34532*
Hungary 1599* 69508* 70677* 88584*
Iceland 51800* 88638*
India 69585
Israel 77970
Italy 77932*
Japan 43210 9491* 35888* 70566*
Kenya 77965 88577
Maine 17133
Mali 86293*
Mexico 88566*
Mississippi 3327 17134 43299
Missouri 9450
Montana 17195
mountain areas 88581* 61714*
France 63544*
Germany
East Germany 77962* 90889*
New Zealand 69590
Norway 43296*
Scotland 43248
Spain 69527*
USSR 69524* 88507* 88552*
Netherlands 25438 27750 25418* 34502* 88519*
New Mexico 51807
New Zealand 1566 1576 1578 1596 1598 1613 25422 25424 25464 27639 51743 77939 77948 88494 88528 88536 88578 88642 88655 88665 88667 88707 90926

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Item

astures and meadows--Cont
management--cont
Nigeria 77956
Northern Ireland 43250 77933 77955 81011
Norway 51804* 60584*
Ohio 80171
Pacific Northwest 88563
Pennsylvania 9489 89313
Poland 9505* 25434* 88541* 88546* 88547* 88634* 89690*
Republic of South Africa 1616 25458 88607
reviews 43306
Rhodesia and Nyasaland 88680 88708
Rumania 88500* 88650*
Scotland 43222 43243
Southeastern States 17139
Spain 25417* 25439* 27275*
Sweden 11207* 34499* 51788* 60435* 69531* 77924* 77968* 77969* 88349* 88543* 88564*
Switzerland 25438
Texas 1556 19715
Tropics 60515
USSR 88599 9446* 9483* 9488* 17186* 17191* 25483* 35391* 35447* 43251* 43274* 43285* 43292* 43304* 51731* 51776* 51795* 52881* 69578* 69580* 69601* 69608* 70745* 74379* 76331* 88506* 88621* 88703* 89818*
Vietnam 25491*
Virginia 60578
Wisconsin 60594
Wyoming 69498
Yugoslavia 81006*
mechanization 73937 73985*
mountain areas 27261*
France 43241* 43756* 61999* 62001*
Germany
East Germany 27643*
Italy 22555*
Poland 87174*
Rwanda-Burundi 69597*
Spain 25417* 25463*
Switzerland 14985*
Yugoslavia 80103*
North America 77957
Northern Ireland 9055
pest control 4634* 55407*
Australia 20790 28948 29035 37664
biological 92162*
France 81695*
Germany 8366*
Kenya 12448
New Zealand 12478 55418 73202 73206 82305 92061
Ohio 92120
Pacific Northwest 334
USSR 15947* 63820*
pests 12511 38062
Australia 324 73626
Canada 63943
ecology 4965
Finland 29379
Montana 73880
New Zealand 29006
Poland 82550*
Republic of South Africa 12521
planting 9453 88518*
Australia 43244 88529 89782
Belgium 60582*
Brazil 43260*
Chile 88611*

Item

Pastures and meadows--Cont
planting--cont
Congo 60537*
Czechoslovakia 43288*
Great Britain 17172 51741 52202 77944
Ireland 9476
Montana 17195
New Zealand 77939 78212 88666
Northern Ireland 77925
Rhodesia and Nyasaland 77964
Spain 25498*
Sweden 9485* 17136* 88657*
USSR 51802*
Wisconsin 60594
Poland 69610* 77341*
records 85610
research
statistical methods 1545* 69588*
reviews 77715
Rhodesia and Nyasaland 24868
soils 2022 10075 2137* 17204* 26130* 70174* 88518*
Algeria 61386*
Argentina 70483*
Australia 17182 18323 26571 44455 61541 88529
Belgium 61457*
Czechoslovakia 44062* 52600*
Estonia 24534* 26105* 61178*
France 61362*
Germany 26060* 33565* 44284* 78434* 82887*
Hungary 70677* 89911*
Japan 61164*
Latvia 24536*
New Zealand 26284 52744 77939 77948 78616
Northern Ireland 77925
Republic of South Africa 2243 2245
Rumania 26442*
Sweden 52456* 77969* 88543*
USSR 2050* 9980* 10115* 10334* 18837* 26190* 26282* 26334* 35213* 43931* 52881* 70210* 70270* 70421* 70745* 78374*
Yugoslavia 61280*
Spain 10861*
statistics 65261*
Sweden 60580*
Taiwan 60570 77966
terminology 43294*
Tropics 51809
USSR 21714* 25473* 59776* 70792* 78207*
Venezuela 94278*
Virginia 51794
weed control 78235 55407*
Australia 43748 70079
Canada 35038*
Chile 44222*
France 43756*
Germany
East Germany 70042*
Great Britain 9907 34957 34977 35025 52202
Hungary 1966*
Italy 78189*
Netherlands 25923*
Nevada 17719
New Zealand 47465 78212
Oklahoma 25895 89290

Item

Pastures and meadows--Cont
weed control--cont
Pennsylvania 89313
Poland 1914*
Puerto Rico 89279
Scotland 34989
Surinam 25908*
Sweden 52216* 78200*
USSR 70101* 89249*
Washington 52328 52333
Wisconsin 25496
yields 1617 70585 1545* 1571* 70667* 78604*
Australia 18323 69539 78678 89730
Austria 30740*
Czechoslovakia 43288*
Florida 18352
France 88659*
Germany 42113* 44249* 50637* 88700* 88705*
India 69585
Kenya 2339
Netherlands 25449* 34502* 69588* 88588*
New Zealand 25422 70609—70611 89715
Norway 60584* 61409*
Sweden 44278* 77924*
USSR 2354* 10267* 18252* 35392* 43292* 69596*
Yugoslavia 88501*
SEE ALSO Mountain meadows
Paszkowiczowa H 94902*
Patella albida 24679
Patents SEE UNDER specific subjects
Paterson index 79161
Pathology SEE Phytopathology; Veterinary medicine; and SUBHEAD diseases, and classes of diseases UNDER specific subjects
Patil P C 94910
Patrocloides 47084
Patrons of Husbandry National Grange 14849 15303 15304 21838 66984 94707
Paullicorticium 67614
Paulownia 10725*
Pauropoda 4948 21040 4947* 21070*
Paussinae 64331*
Paussini 73598*
Paussus favieri 21137* 21138*
Paussus (Latipaussus) n sgen 73598*
Paved surfaces 5830 43762 65023
Pawpaw 34626
Paxillus 33005
Paxillus atrotomentosus 24223
PB-5 92019*
PCNB SEE Pentachloronitrobenzene
PCP SEE Pentachlorophenol
Pea aphid SEE Macrosiphum pisi
Pea Growing Research Organisation 52125
Pea leaf weevil SEE Sitona lineata
Pea moth SEE Laspeyresia nigricana
Pea weevil SEE Bruchus pisorum
Peach tree borer SEE Sanninoidea exitiosa
Peach twig borer SEE Anarsia lineatella
Peaches
abnormalities 24677*
advertising 22374 65729 75134 84278

Item

Peaches--Cont
analysis and composition 84187*
anatomy and physiology 1136 8933 16656 24578 24828 24918 33907 34123 34139 42774 59816—59818 60700 77666 87604 87976 8883* 9136* 24588* 25049* 25136* 33590* 60120* 60235* 69153* 77525* 77614* 87560* 87712* 87876* 88047*
bacterial diseases 16055 16110 24385 33352 59100
biochemistry 9301* 34333*
breeding 60699 69742
canned 14112 24828 84187*
care and handling 6700 88901
color 14112
consumer preferences 6655
containers 22410 57041 84300
cookery 7952 49658
cooling 65816
cooperatives 48357
costs and returns 32071 32066*
culture 43422 60695 88901 1696* 43421* 88887*
cytology 24578
damage 6700
defoliation 68547*
disease resistance 60697*
diseases 41660 50164 50167 15939* 50175*
dwarf 42774 60780
fertilizers 2276 52815 89632*
for processing 6700 31057 48357 51939 69743 51938* 69748* 93650*
frozen 48467 57032
fungus diseases 457 8548 16052 59094 8428* 8429* 50298*
Australia 24346
California 33314
Canada 41783
control 41861 41824*
Australia 86871
Canada 33194
France 24201* 86747*
Illinois 16055
New York 16049
Oregon 33254
Poland 33344*
Rumania 50258*
Germany 41881*
Idaho 24234 33191
Italy 86876*
Japan 77145
Poland 67847* 86801*
USSR 60697*
genetics 87437*
germination 34204*
hardiness 34123
harvesting 74093
hybrids 51964*
injuries 8330*
irrigation 2444 61550
kernels 39657*
marketing
France 56989*
Illinois 22358 22359 22410 39696
Louisiana 22367
South Carolina 75147
Texas 60695
Morocco 77614*

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Item

Peaches--Cont
morphology 33605 34123 50806 87250 77389*
nematodes 42056 87104*
nutritional deficiencies 42594*
packing 39725 75171 75176 84300 93617
cooperatives 65772
costs 22411
South Carolina 6692 57041
pest control 4706 29103 63997 81804 81805 4677* 92174*
California 20849 73312
Canada 81788
Colorado 50167
France 63976* 63977*
Georgia 46586 81807
Indiana 81760
Italy 29101* 29109* 73300*
Kansas 20815
Maryland 20818
Massachusetts 41660
Netherlands 12572*
Ohio 20844 55508 81793
South Carolina 50164
USSR 29056* 81741*
Virginia 4674 81744
pests 92187 50175*
Australia 55500
California 13025
Canada 64011
ecology 73849*
planting 42056
pollen 42306
prices 14130
processing 48432 65789 65816
propagation 51964* 88918*
pruning 17327 60700 78059 25049* 60235* 87876*
purchasing 49658
ripening 39740
rootstocks 60706* 88918*
seeds 34139 59818 51964*
size 60700
soilless culture 42594*
soils 35269 52815 87976
spraying and dusting 63997
Australia 86871
Canada 81788
Georgia 41693
Maryland 20818
New Jersey 33045
Oregon 58879
Pennsylvania 15930
South Carolina 41617
statistics 48497
storage 31057 39740 48432 65816 75186
controlled atmosphere 93650*
taxonomy 33590*
thinning 34659 51947 69761 87604
varieties 34658 43425 48467 57032 60690 60703 69742 69743 88924 24588* 51938* 77389*
Australia 88907
California 9622
Canada 65729
Florida 60699
Illinois 17354 17355
India 60698
Italy 25626* 34204* 88889* 88918*
Maryland 17343
Michigan 17347
New Jersey 51939
Sicily 88047*

Item

Peaches--Cont
varieties--cont
USSR 17328* 60696* 60697* 69748*
Virginia 34648
Yugoslavia 24564*
virus diseases 5252 59152 87048*
yields 1136 17354 60700 69739 87876*
Peanut butter 93936
Peanut flour
analysis and composition 31390 47664 84801
manufacture 7092
nutritive value 67133 86071 86072 86090 86091 86092
Peanut meal
feed 27679 37316 62300 91388 45919* 63582*
proteins 91381
toxicity 20510 28236 28329 91494
Peanut oil 7092 48759 66141 75502 31411* 75526* 93914*
Peanuts
abnormalities 42313
acreage and area 31380
acreage allotments 7070
advertising 75592
analysis and composition 14443 75523 93931 93936
anatomy and physiology 1226 42713 59833 69136 77734 16618* 16742* 16786* 25011* 34192* 42493* 68547* 68858* 87761*
bibliographies 66138
biochemistry 9227 22730 42987*
breeding 77974 17235*
chemistry
bibliographies 93941
contamination 93931
costs and returns 13143 21562 76094 32031*
culture 51826 1641*
Australia 34428 69631
Ghana 88722
India 9433 9517 25506
Israel 88719
Pacific area 88718
Rhodesia and Nyasaland 25507 88717
Senegal 51824*
Spain 77978*
Tripolitania 17225*
curing 22656
diseases 365 42045 67684 77257
drought resistance 8881* 42492*
feed 20231 45178*
fertilizers 59833 69136 10162* 44219* 70382* 78691*
Alabama 61445
bibliographies 2264
Brazil 78732*
Gambia 89629*
India 10259 78685
Israel 87761*
Oklahoma 89714
fungus diseases 8413
Australia 59037
Brazil 41775
control 33176 50277 52178 41836*
Alabama 41827
Surinam 24253*
India 487
Israel 249
North Carolina 41924
Pakistan 77128

Item

Peanuts--Cont
fungus diseases--cont
Sudan 67788
Virginia 41893
genetics 42361
germination 16742*
grading and standardization 7036 84785 22680*
harvesting 56179 74103
hulls 22713 81547 84799*
industry 40058*
inoculation 26123*
irrigation 42713
losses 84774
marketing 7028 7070 7091 93905 93932
mechanization 13143 21562 29831
morphology 799
nematodes 627 24469
nutritive value 15465
pest control 46423* 46440*
India 81620
Sudan 67684
Texas 365 55421
Virginia 63890
pests 67788
planting 1642 59833 88724 34192*
policies and programs 7070
prices 7070 22734 75605 93905
processing 22656 22730 57336 93934 75557*
bibliographies 93941
products 7028
proteins 14443 56493 56494 84819 84846
quality 93934 44219*
sampling 84784 84799*
seeds 46440*
shelling 84785
situation and outlook 31374
soils 87761*
spoilage 93931
spraying and dusting 33176 41827
statistics 22697 22714 31380 40077 48778 93905
storage 4739 40079 84774 12610*
toxicity 20231 45993*
trade 7906
varieties 42493*
Brazil 77980*
India 1638
Israel 42713
Papua and New Guinea 42045
Rhodesia and Nyasaland 25507 77975
Texas 51825
weed control 43779 43791 52227 89329* 89350*
yields 1642 77974 44219* 70382* 84799*
Alabama 61445
Australia 88724
Brazil 77980*
India 10259 78685
Southern States 31380
Sudan 67788
Pear leaf blister mite SEE Eriophyes piri
Pearlmillet
anatomy and physiology 16701 33633 60039 87933
breeding 8818*
culture 21594
disease resistance 67846
fertilizers 26303
fungus diseases 86938
harvesting 9489
nematodes 50542* 59213*
planting 16713
statistics 31203 65896
varieties 17049

Item

Pears
advertising 22371
analysis and composition 39654
anatomy and physiology 9026 9030 22442 33582 42583 51931 1265* 8883* 16539* 24968* 33686* 43429* 51219* 51391* 59843* 60038* 60120* 69153* 87611* 87766* 87900*
bacterial diseases 8349 77203 77209 77212 67961* 86973*
biochemistry 22442 88220 84361*
blanching 75243*
breeding 78066 25627* 43429*
Illinois 9609
USSR 9636* 25632*
care and handling 22409
coatings 14167*
containers 57035 65764
contamination 20834
cooling 14184 65764 57088*
cooperatives 39673
costs and returns 76254
culture 51920*
Australia 34660
Czechoslovakia 60683*
France 60705
Italy 43398* 78063*
Netherlands 51943*
Rumania 60702*
USSR 34628*
Yugoslavia 25620*
cytology 24670
Czechoslovakia 60683*
defoliation 9621*
disease resistance 8349 9609 25603 33359 78066 88884
diseases 24122 77078
California 8349
control 50166 58838*
France 41713*
Italy 33123
North America 33123
Oregon 33073
Pacific Coast States 347
dwarf 60705
fertilizers 51219*
for processing 93650*
fungus diseases
Argentina 86893*
Australia 41800
Austria 8555*
control 77116 16086* 41750* 77109*
France 33206*
Italy 67772*
Oregon 33183
Rumania 50258*
Hungary 380*
Italy 33250* 33266* 41774* 86896*
Japan 77143*
USSR 33289*
girdling 60038*
hardiness 25627*
harvesting 33118 34652 38699 58890 75214*
harvesting date 51936
history 9615*
hybrids 9636* 25632* 51950*
industry 6628 25603 39604
injuries 33118 58890 73289 93658*
irradiation 48434
keeping quality 87611*
marketing 6673 65736 93584
morphology 33582 59646*

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Item

Pears--Cont
nutritional deficiencies 87663*
packing 14128 14129 22409 57035 39724* 39760*
pest control 46344 81806 4677*
Australia 12528
Bulgaria 63985*
California 46544 46570 73299
Canada 12564 81782
Colorado 50166
France 4680*
Italy 81765*
Oregon 37712 46544
Poland 92192*
Republic of South Africa 81769
USSR 20846* 73285*
Washington 46536
pests 12541 46564 47050*
Austria 29061*
California 73289
Canada 82571
ecology 82571 63985*
France 37715* 41713*
Great Britain 12553 37717
Italy 29070*
Netherlands 81785*
Poland 20854*
Republic of South Africa 21412
Rumania 46883*
Spain 81768*
USSR 81737
physiological diseases 33953 77697 88058
planting 17352* 78063*
pollination 24968* 87611*
pre-harvest drop 77606*
prices 48425
processed 14193 75124
propagation 25622 51961 1265* 51946* 60692* 78081*
properties 65800 75243*
pruning 17326 17330
Australia 1708
France 43397*
New Zealand 78064
USSR 9629*
Virginia 17336
refrigeration 65800 93641*
ripening 48438 65807 75218* 84361*
rootstocks 51931 17340* 17352* 34656* 43399* 60692*
Australia 34660
Belgium 25612*
California 8349 34632
Denmark 34633*
Great Britain 88898
Netherlands 9627*
Oregon 43427
Rumania 51954*
USSR 78639*
seeds 9208* 24968*
situation and outlook 39606
soils 18406* 26074*
spraying and dusting 41672 81806
statistics 39606
storage 33582 48438 39760*
controlled atmosphere 22442 93650*
diseases 33953 57069 84333 93568*
France 75214*
Germany 22428*
Tasmania 51936
temperature 14184 57069 84249 48481*

Item

Pears--Cont
storage--cont
United Arab Republic 34652
trade 15351 39604 94784*
transportation 65764 84249
varieties 22442 39654 48438 93584 51920* 59843* 65807* 69734* 87611* 88893*
Australia 1708 84333
Belgium 25607* 51942*
Czechoslovakia 24670
France 43404* 43405* 43424* 48481* 75218*
Germany 22428*
Great Britain 9616
Italy 9609 1702* 9624* 43398* 78060*
Netherlands 51943*
New Jersey 25603 88884
New Zealand 48425
Rumania 51951* 51954*
Spain 78069*
Switzerland 51956*
USSR 9636* 51934* 88912*
United Arab Republic 34652
virus diseases 87004 69237* 88126*
breeding 89242*
canned 30959 75128 14168* 57048* 65715*
care and handling 83101*
color 75197*
contamination 48414*
costs and returns 32055 87090 42010*
control 68036
Denmark 68021*
Greece 42020
Hungary 42012*
Japan 87026
Netherlands 50504*
transmission 68034 87002
yields 9627* 17340*
Peas
abnormalities 87431
analysis and composition 39637* 65708*
anatomy and physiology 844 8858 8885 9030 9165 9213 16583 16723 16771 16805 16806 16907 24949 42512 42630 42636 42699 42734 42855 42941 51127 51128 51225 51310 51382 60147 60215 68377 68684 68867 69102 77262 77695 77773 87546 87547 87636 88036 735* 1033* 1217* 1289* 24808* 24869* 25100* 26101* 33930* 34004* 34156* 34174* 42802* 51014* 51027* 59865* 60063* 60108* 68569* 68924* 69106* 69904* 77611* 77712* 87506* 87687* 87705* 87811* 88054*
bacterial diseases 50457
biochemistry 1309 1332 1371 1372 9284 9285 9292 9295 16950 16976 16979 25237 34278 42939 43026 51500 77767 77799 88137 34301* 42940* 42989* 51495*

Item

Peas--Cont
culture
Australia 1836 25827 43627 78145
Canada 43608
Finland 9800* 43631*
Georgia 17613
Germany 69560*
Great Britain 34890 52125
Hungary 69499* 69575* 89232*
India 78155
Minnesota 89345
Netherlands 43660* 43661* 52131* 52153*
Republic of South Africa 50244 60919
Rumania 88328*
Sweden 9819*
USSR 1849* 9508* 14028* 43651* 52124* 60564* 60896* 60922* 69609* 69919* 76214* 78141* 78661* 88517* 88627* 89147* 89234* 92754*
cytology 9284 77413 42276*
disease resistance 8461 33251 50292
diseases
Australia 58862
Canada 33140 43608
control 24158 50244 86666*
New Zealand 24110
dried 6653 58298 58299 14066*
dwarf 844
ecology 68158
enzymes 88137 42940* 77712*
equipment 92754*
feed 27285* 72948* 87506*
fertilizers 18357 78697 44229* 78595*
for processing 1836 64856 22404* 30944* 75090*
Australia 78145
Georgia 32055
Hungary 89232*
Minnesota 89345
Tasmania 89204
forage plant 9508* 27670* 34530* 69620* 88627*
Bulgaria 69503*
Germany 69560*
Oklahoma 59910
USSR 60564* 69609* 88517* 88604*
frozen 6639 48349 84221 84342 93565 75197*
fungus diseases 8552 16013 33251 50292 50535 58981 41912*
Australia 8430 16093
control 8460 24257 33280 77178 424* 67912*
Netherlands 24362*
New Hampshire 24268
USSR 33149* 86930*
genetics 42344 42449 68425 87431 87548 8807* 16494* 24709* 42379* 68464* 68468* 87413*
germination 59863 69054 77712 88104 9211* 69237* 87705*
grading and standardization 14117 22404*
hardiness 9211* 68902* 69602*
harvesting 86662

Item

Peas--Cont
harvesting--cont
equipment 40371 47397 39637* 83101* 83116* 92795* 92850*
USSR 92754* 92818* 92827* 92838*
labor 40371
Republic of South Africa 60919
hybrids 42449 8807*
injuries 86662
irrigation 8430 60147
marketing 43608 22445*
mechanization 82988*
morphology 50650* 59355*
nematodes 50535
nutritional deficiencies 87600*
pest control
Australia 43627
Czechoslovakia 92102*
Finland 12462*
Great Britain 46428 92079
USSR 73216* 81687* 81716* 86666* 92059* 92111*
Washington 81725
pest resistance 21268* 46425*
pests 12469 81656 92105 21268* 46425*
planting 59355* 69904*
Bulgaria 17628*
equipment 64856
Netherlands 52090*
USSR 25856*
prices 22445*
processing 75223 57048* 65708* 75188*
propagation 42449
proteins 30959 69237* 87506*
quality 14119* 30944*
seeds 1371 51310 78420*
Germany
East Germany 48879*
Republic of South Africa 60919
storage 59863 22807*
treatment 8460 50244 77178 735*
USSR 60896* 78141* 89234*
soils 24257
spraying and dusting 81716* 92059*
starches 22529* 93568*
statistics 22445*
sterilized 75197* 75216*
tests 14061 75090*
threshing 86662
utilization 89147*
varieties 34004*
Australia 25827
Bulgaria 69503*
Canada 17581 43608
Finland 9800* 43631*
Florida 1872
Georgia 17613
India 17631
Latvia 9836*
Netherlands 14119* 43660* 43661* 52131* 52153* 78151*
North Carolina 43622
Poland 9211*
Republic of South Africa 60913
Sweden 9819*
Tasmania 89204
USSR 30944* 39637* 43653* 50650* 69602* 69620* 89242*
virus diseases 16145 50487 77262 42023*

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Item

Peas--Cont
weed control 70013*
Australia 43723
Belgium 1921*
Great Britain 9874 34953 34976 35032
New Zealand 43780
USSR 17724* 60958*
yields 44229*
Great Britain 52125
India 18357
Netherlands 52090*
Oklahoma 59910
USSR 69620*
Peasants 66682*
Africa 23158
Asia 66775*
Burma 66800*
Estonia 66487* 67248*
Europe 66342*
Germany 49852*
history 40890* 67255*
Ireland 58140
Lithuania 65141* 67259*
Nepal 22953
Poland 66418* 74446* 75896*
reviews 67253*
USSR 66660* 67244* 67259* 94564*
United Arab Republic 31984*
Vietnam 66523*
Yugoslavia 66802*
Peashrub SEE Caragana
Peat 9987 69841 10011* 44255* 70925* 78439* 87867*
analysis and composition 44086 44116* 70358*
Estonia 61201*
fertilizers 90158 10178* 18294* 26339* 26647* 35383* 35831*
Germany 35618*
East Germany 10291*
Poland 70519* 70933*
Rumania 18621*
USSR 2516* 10298* 10513* 26657* 35362* 35408* 35411* 44223* 44270* 44280* 44535* 43913* 52571* 52818* 61330*
Great Britain 70876
litter 90786*
mulch 70678* 78686*
USSR 70440*
utilization 35411* 44535* 79449* 91902*
Peat and muck soils 2189 16819 18201 18359 26511 35156 35157 43964 52735 2142* 18029* 43996* 69099* 70274* 70600*
Canada 33126 35464 52514 78284 78531 78825
conferences and congresses 79220
Denmark 70258*
Estonia 17883*
Finland 61088 61418 61419 18213*
Florida 17980 18280 78221*
France 78413* 89465*
Germany 43911*
Great Britain 17172 79288
Ireland 2398 44234 77523 77530 79218 79252 89494 89495 89753
Italy 78381*
Japan 26057 43991 8960* 10051* 35150* 59871* 61169* 78386*

Item

Peat and muck soils--Cont
Minnesota 44192 44723
Netherlands 18170
New York 53472
New Zealand 10092
Northern Ireland 79244 79245 79283
Norway 89762
Poland 10253* 70399* 78510* 88481* 88553* 89808*
Scotland 79233 79318
Sweden 10232* 44777* 61041* 88543*
USSR 2373* 17873* 17940* 18108* 43199* 43955* 43987* 44313* 44432* 52419* 52520* 61086* 69098* 69983* 69984* 70303* 70355* 70436* 88224* 88603*
Peat bogs 1061
Artic Region 16266
Canada 42160
Carpathian Mountains 87126*
Great Britain 14 33497
Ireland 33467 35471 79331
Ivory Coast 25012*
Malaya 90253
Northern Ireland 77309
Poland 33543* 52644* 78510*
Rumania 78518*
Scotland 33492 35453
Sweden 59256*
USSR 17986* 44738* 52922* 59235* 61421* 61920* 90423*
Yugoslavia 16235*
Peavine SEE Lathyrus
Pebrine 12720* 12721*
Pecan butter 6736
Pecan nut casebearer SEE Acrobasis caryae
Pecan oil 48759
Pecan (tree) SEE Carya illinoensis
Pecans
advertising 6659
conferences and congresses 1748
marketing 6668 6671 22373 48354
situation and outlook 6652 48317
storage 22373 93675
Pectase 42952 65811 75120 77200* 77201*
Pectic acid 1312 93223
Pectin
analysis and composition 2997 22327*
chemistry 93042 30948* 65720* 84207* 93566* 93627*
determination 22339* 83363* 94037*
extraction 48463 93626* 93627* 93662*
in apples 22416 22417 22339*
in bark 2997
in cherries 30937
in feed 62749
in fruit 6702 39655 33897* 93561*
in plants 41955 50459 51524 9286* 59072*
in radishes 22339*
in sugar beets 94037*
in tomatoes 30942
in vegetables 6702
processing 93627*
properties 22330*
Pectin methylesterase SEE Pectase
Pectin transeliminase 51442

Item

Pectinase 25218 38311 41864 42952 51451 30384* 58979*
Pectinesterase SEE Pectase
Pectinophora gossypiella 81705
anatomy and physiology 28964 29676 47140 55932 55967 82805
as pests 28981
control 37627*
Argentina 37615*
tests 4604 12468 12486
Texas 4606
diseases 47156 47157
ecology 38427*
eggs 29676
food and host plants 46504
habits and behavior 5409 5505 47153 82764 37624*
insecticide resistance 28782
larvae 5505 12999 28964 29651 29676 55932
Mexico 92058*
nutrition 29627 29628
predators 5373
pupae 5505 12999 29676 55932
surveys 28760
United Arab Republic 20696
Pectinophora malvella 12475* 20698* 37476* 37642* 73211* 81623*
Pectinophora scutigera 4650
Pectinopygus 38564
Pectobacterium aroideae 41942*
Pectobacterium carotovorum 50460 41942*
Pectobacterium parthenii 50441*
Pectobacterium phytophthorum 41942*
Pecuferol 63644*
Pediastrum 68242
Pediastrum biradiatum 33687
Pedicia 12858
Pedicinus bilobatus 73893*
Pedicularis 60192 70090
Pediculoides graminum 37619*
Pediculoides ventricosus SEE Pyemotes ventricosus
Pediculus dentatus 73902
Pediculus humanus humanus 4416 21501 28919 46381 28931* 29808*
Pedilanthus tithymaloides 8777
Pedilidae 46810
Pedinopera 41519
Pedinopleurus robustus SEE Zyras robustus
Pediocactus 32732 67414
Pediococcus 13870 6205*
Pedioscopus 64499
Pedipalpida 4916 73539 82114 82185*
Peganum harmala 43018 42985*
Pegolabrus n g 82382
Pegolettia 32871
Pegomya betae 4610 12889* 20766* 46437*
Pegomya bicolor sapporensis 46939*
Pegomya hyoscyami 81712 92463 55459*
Pegomya hyoscyami betae SEE Pegomya betae
Pegomyia SEE Pegomya
Pelachoris n g 55851
Pelamia 47158
Pelargoderus 92361 46817*
Pelargonium
anatomy and physiology 25177* 87047* 87868*
diseases 8564 67860 77206 87028 77139*
morphology 50734

Item

Pelargonium capitatum 67875
Pelargonium graveolens 77768
Pelargonium hortorum 16131 77204
Pelargonium peltatum 33943*
Pelargonium zonale 60245 60226* 86307* 87271*
Pelecyphora 67408
Pelecyphorus 12839
Pelecyphorus jaegeri 29394
Pelleñes nigrociliatus 38021*
Pellicularia filamentosa 15971 1176* 77084* 86782*
Pellicularia praticola 484
Pellidiscus 15859
Pelopiinae 73688
Peloponnesia megaspiliella 21404*
Peloridiidae 73755
Pelosia obtusa 55949
Pelotas (Brazil) Instituto Agronomico do Sul 87209*
Estacao Experimental de Curitiba 32606*
Peltaster 256 67581*
Peltasterales 41533* 67582*
Peltolobus 82288*
Peltonotellus 38289
Pelvetia canaliculata 32928*
Pelvis 36787 3712* 36673* 72411* 80686*
Pelzneria 92338*
Pemon 92559
Pempelia dilutata 29675
Pemphigus betae 28986
Pemphigus bursarius 29544
Pemphigus populi 37658*
Pemphigus populitransversus 73760
Pemphigus spirothecae 55867*
Pemphredoninae 73783*
Pen-Di-Ben SEE Benazthine penicillin G
Pencils
wood 11072*
Pendepon SEE Benzathine penicillin G
Pendulispora n g 58775
Pendulous crop 3971 72520
Penetagromyza 21237
Penetrometers 73650 78315* 84186* 89451* 89471*
Penicillin
determination 39265 74754 74755 47910* 93298*
effects on bacteria 45621* 68703*
reviews 3125*
effects on cattle 19797 54293 19935* 54446*
effects on insects 12865 21363
effects on laboratory animals 54683*
effects on poultry 45939 54730 72550*
effects on sheep 54960*
effects on swine 28614* 46286*
in milk 6252 13809 30577 39265 56710 74754 74755 80239 80240 30598* 47910* 80400* 93298*
in plants 25213*
residues 13809 80239 80240 54960*
therapeutic use
cattle 27761 54295 19892* 27882* 62852* 80400*
goats 20355
waste 10155*
SEE ALSO Procaine penicillin
Penicillin G SEE Procaine penicillin
Penicillin V 30577

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Item

Penicillium 278 33839 67589 84330 8571* 67921* 70377* 77103*
Penicillium camemberti candidum 48095*
Penicillium charlesii 33269*
Penicillium chrysogenum 87381 68828*
Penicillium cyclopium 44027*
Penicillium digitatum 31030 31059 57059 57070 65798 65817
Penicillium frequentans 9146
Penicillium italicum 31030
Penicillium luteum 67861*
Penicillium megasproum 32992*
Penicillium oxalicum 1340
Penicillium proteolyticum 270*
Penicillium purpurogenum 44027*
Penicillium roqueforti 42869 56758
Penicillium spinulosum 39055 60318*
Peninsula Horticultural Society 17286
Peniophora 8318 24076*
Penis 90494*
  cattle 45399 45409 45548 11569* 19793* 27587* 36449* 71931* 71934*
  dogs 91179
  swine 12173* 46237* 72908* 73000*
Penium 214
Pennisetum 42358 88097 17137*
  bibliographies 86425
Pennisetum ciliare 4603 44457 51810 51811
Pennisetum clandestinum 17189 25478 78205*
Pennisetum glaucum SEE Pearlmillet
Pennisetum merckeri 69516*
Pennisetum orientale 77395
Pennisetum polystachyon 8747
Pennisetum purpureum 25474
  Australia 25442
  culture 25447
  ecology 77349*
  feed 11152 11189
  fertilizers 70665 70747
  palatability 51735
Pennisetum purpurem merkerii 34489*
Pennisetum typhoideum SEE Pearlmillet
Pennsylvania Academy of Science 86126
Pennsylvania Agricultural Experiment Station
  report 49887
Pennsylvania Dairymen's Association 30482
Pennsylvania Dept of Agriculture 32506
Pennsylvania Dept of Forests and Waters
  Delaware-Lehigh Experimental Forest 18859
Pennsylvania State Grange 7813
Pennsylvania State University 49279
  Library
    Groff Collection 41298
Pennsylvania University
  Morris Arboretum 41584 50035 78245
Pennywort SEE Hydrocotyle
Penolanguria 21155* 82342*
Penottus 5221
Pensions SEE Old-age insurance; Social security
Penstemon 9784 86518

Item

Pentachloronitrobenzene 403 22332 48324* 50330*
Pentachlorophenol
  herbicide 43688 43724 89389
  in lumber preservation 2856 10958 19185 27065 27066 44973 44994 53558 19181*
Pentacme contorta 11106 71491
Pentadecanoic acid 46151
Pentalitomastix 12959
Pentalonia nigronervosa 12534
Pentamerismus 21041
Pentamidine isethionate 45826*
Pentan-1-ol 77799
1,5-Pentanediamine dihydrochloride 43014*
Pentaneura 12874 64419
Pentaphylla 46858*
Pentasodium diethylenetriaminepentaacetate 11049
Pentastomida 81488
Pentatomide
  abnormalities 5236
  anatomy and physiology 21297 38297 38329 82141 5210* 55847*
  as pests 64055 64056 37789*
  as predators 21273 73732
  Australia 47024
  control 55573
  Crete 29540*
  eggs 5240
  French Guiana 73757
  habits and behavior 12940
  India 73732
  Neotropical Region 5217*
  Nigeria 64527*
  parasites 29581
  taxonomy 5258 47024 64484 29552* 29553* 29555* 47015*
  USSR 92069*
Pentatomoidea 92503 29553* 47002*
Pentatrichopus fragaefolii 55504 73758
Pentatrichopus thomasi 73758
Pentazol 91267*
Penthaleus major 92101
Penthea 46817*
Penthesilia 92438*
Penthimia 38289* 46994*
Penthophonus 46841*
Penticton Co-operative Growers 30977
Pentila 47194*
Pentobarbital 36785 45744 80691 27963* 91267*
Pentodon bispinosus 82268
Pentosans 2916 57172 57173 13930*
Pentoses 11363 88191 30752* 36606*
threo-Pentulose 22825
Peonin 65699*
Peonosid 51471*
Peperomia 34826 67527 41317* 67457*
Pepper 76550 83646 21943*
Pepper (plant) SEE Piper nigrum
Peppermint SEE Mentha piperita
Peppermint oil
  analysis and composition 31396
  contamination 75601
  extraction 75603
  industry 7089 31360
  irradiation 7043
  marketing 84829
Peppers SEE Redpeppers
Pepsin 39377 82831 39923* 93946*
Pepsinae 47123* 82653*

Item

Peptidase 6890*
Peptides 74709
  in blood 53882*
  in casein 6221*
  in cheese 56668 74747
  in fibers 56849
  in fungi 54962
  in plants 60333
  in soils 89551
  in tanning 84613*
  in tomatoes 1325
Peptone 93322*
Peradeniya Royal Botanic Gardens 124
Peranoplium 82236
Percaroecus javalii 37587
Perchlorates 2522*
Perchloric acid 1399
Perchloroethylene SEE Tetrachloroethylene
Percivalia 64731
Perdita 82650
Peregrinus maidis 47026
Perekhod V I 49818*
Perennial ryegrass SEE Lolium perenne
Perezia pyraustae 21416 46515
Performic acid SEE Peroxyformic acid
Perga affinis affinis 73772
Pergamasus crassipes 46788
Pergularia extensa 47049 69222*
Periateritis 54311*
Pericarditis 37365* 54682*
Pericardium 3942 3963
Pericladium 58805
Pericoma 29481 73711*
Pericoma (Bazarella) n sgen 73711*
Periconia circinata 1383
Pericopidae 73841
Pericystis apis 81992*
Peridinieae 59446*
Periodiscaceae 67500
Peridiscus 68318
Peridoxylon 253
Peridroma saucia 82777*
Perileptodes 82247
Perilitus coccinellae 73793
Perilitus dubius 5331
Perilitus rutilus 12485 38390
Perilla 8775 16373
Perilla frutescens 8775
Perilla frutescens crispa 16814*
Perilla nankinensis SEE Perilla frutescens crispa
Perilla oil 48826 84861 84862 84853*
Perina nuda 73317
Perineal hernia SEE Ischiorectal hernia
Perineo-urethral fistula 27983*
Perinephala perlucidalis 5487
Perinetocoris n g 29570*
Perineum 11764 54569*
Periodates 48233
Periodic acids 37062
Periodic ophthalmia 80622 80652
Periodical cicada SEE Magicicada septendecim
Periodicals
  bibliographies 31857 91941 94859 57806* 57892*
    Canada 7471 49126
    Finland 7495*
    Germany 23221*
    USSR 76652*
  indexes 94117
  Netherlands 58508
  SEE ALSO UNDER specific subjects
Periphyllus 47036*

Item

Periplaneta americana
  anatomy and physiology 5561 5567 5573 13050 13054 13055 13070 20608 21387 21389 21473 29775 29776 29780 37463 37766 38551 55180 55208 55209 55996 64711 82853 82869 82816* 82823*
  control 46348
  cytology 4411 5559 5584 5586 13051 21447 38554 73876
  diseases 13066*
  dissemination 38535
  habits and behavior 36951 73879 13064*
  nutrition 82816*
  parasites 5556
  rearing and breeding 38531
Periplaneta orientalis SEE Blatta orientalis
Periploca 82721
Periseius n g 64322
Perisierola nephantidis 29602
Perissocerus 46915*
Perissonemia 5221 64486
Peristeria elata 9737
Peristrophe bicalyculata 33534
Peritelus 38100*
Peritoneum 11354 80445 12055* 45680*
Peritonitis 45771*
Peritrichocera 73816
Peritrophic membrane 29223* 37931*
Perizoma 38490*
Perizoma sagittata 5413 5486
Perla 29817*
Perlite 9988 1765*
Perlutex 36817*
Permafrost SEE Soils, frozen
Permanganates 2908
Permanganic oxidation tests 74614*
Peromyscopsylla himalaica 38573*
Peronea contaminana 12547*
Peronophythora n g 86554
Peronoplasmopara humuli 24320* 33285* 67891*
Peronospora 58779 8454* 16098* 41554* 67785*
  currants 33298*
  grapes 24327* 33247*
  Leguminosae 33003*
  strawberries 41763
  sugar beets 77162* 86895*
  taxonomy 41554*
  tobacco 67865* 67915* 86853* 86854* 86880*
Peronospora arborescens 41923
Peronospora brassicae 86789
Peronospora camelinae 67849*
Peronospora destructor 454 86783 24288*
Peronospora lapponica 58778
Peronospora manshurica 16050 86733*
Peronospora parasitica 67796
Peronospora pisi 33149*
Peronospora radii 515
Peronospora schleidenii SEE Peronospora destructor
Peronospora tabacina 472 16017 24332 41830 58921 67790 77102 86813 8474* 8510* 15998* 16062* 16098* 24204* 24927* 33171* 33172* 33260* 33299* 33303* 33345* 41798* 41906* 50299* 58994* 59027* 59036* 59083* 67789* 67809* 67842*

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Item

Peronospora tabacina--Cont
77131* 86739* 86762*
86772* 86788* 86816*
86817* 86852* 86855*
86874* 86894* 86905*
Europe 86884*
Poland 86927*
reviews 86908 67936*
Perosis 80782
Peroxidase
in grain 48563
in milk 47931 83780
93326 6257* 83811*
in plants 564 16101
16935 34338 42620
42944 51547 55193
67916 68896 77802
1128* 16500* 25208*
25219* 25234* 42940*
48319* 51506* 68895*
69047* 69206* 69239*
88173*
in wood 27185*
Peroxides
determination 48784
31419* 48796* 48797*
effects on microorganisms 63067
effects on seeds 51344
in fats and oils 22712
31419*
in meat products 48696
in pulp and paper 90418
in pulp and paper manufacture 71519*
Peroxyformic acid 34269*
Perphenazine 45736*
72980* 81311*
Perrin-Wilson test 70905*
Perrotia 32958
Perry 6628 13620 13671
13674 83581
Persian clover 17183* 35397*
87916*
Persian walnut SEE Juglans regia
Personnel management 23828
Perthane 57021
Perthes' disease 72340*
Pertusaria 77025*
Peru Junta Nacional de la Industria Lanar 84578*
Perugia Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche 3120* 11329*
Peryphus 64380*
Pest control 28759 73099
73403 86130
associations 37468*
directories 73078
equipment 73388
directories 73101
policies and programs 20868
Portuguese East Africa 12609
study and teaching 15953
20570 20873 20923
37828 46632 55356
74494
Pest control operators 4756
20589 33136 55296
73078 73124 73403
81581 92202 92207
32548*
Pestalotia 809 8308 86561
58780*
Pestalotiopsis 33010
Pestalozzina 58780*
Pesticides SEE Economic poisons
Petal blight
Canna 502
Petalidium 32819*
Petalonia fascia 68239*
Petalonia zosterifolia 59399*
Petasites japonica 68268
68269*

Item

Petasites officinalis 88198
Peter A 41450*
Petersen A 76749* 78540*
Petersen-Dalum J 94896*
Petitgrain oil 31389
Petrak F 49805*
Petrea 146
Petrobia latens 73566
Petrobius maritimus 73888*
Petrobius oudemansi 92670*
Petrography 52643
Petroleum
cooperatives 23567 85932*
determination 74427
effects on plants 50394
50927 51105 77561
945* 1031* 1073*
1075* 1164* 24944*
42574* 51126* 51234*
60160* 69086* 68599*
effects on soils
reviews 10025
fungicides 385
insecticides 81522
Japan 71349*
mulch 52172
toxicity 91114*
waste 2284*
wood preservative 53558
Petroleum ether SEE Ligroine
Petroleum spirits 44994
Petroselinum SEE Parsley
Petsai SEE Chinese cabbage
Petunia
culture 34776* 43549*
cytology 59630
genetics 857*
male-sterile 87404
weed control 17700 52225
Petunia hybrida 69174* 88112*
Peucedanum 41471*
Peucedanum ostruthium 58658*
Pexopsis capitata 12864*
Peyronellaea 8315 32978*
58770*
Peyronellaea glomerata 24291*
Peziza 86596*
Peziza ostracoderma 24083
Pezizella 32958
Pezodrymadusa n g 21457
pF SEE SUBHEAD moisture UNDER specific subject
Pfeffingerkrankheit 87072
Pfeiffer E 86169
Pfitzneriana 38518*
Pfizer (Chas) & Co 71688
pH SEE SUBHEAD hydrogen-ion concentration UNDER specific subjects
Phacelia 18259*
Phacelia tanacetifolia 88624*
Phacidium infestans 86828*
Phaeanthus ebracteolatus 71213
Phaedon cochleariae 73650
Phaenicia sericata 20682*
Phaenolobus 92566*
Phaenolobus fraudator 92536*
Phaenomerididae 55728
Phaenomerina 55728
Phaeochorella 32945*
Phaeocyphellopsis n g 15859
Paaeodaedalea n g 41457
Phaeodepas n g 33001
Phaeofabrea parahybensis 32950*
Phaeogenes laricellae 64608
Phaeoglabrotricha n g 15859
Phaeophyceae 213 24061
Phaeophyta 16300 32907
Phaeoseptoria 86550*
Phaeosolenia 15859
Phaeoura 47189
Phagicola italica 36789*
Phagocytin 79855
Phagocytosis 46090*
Phaius SEE Phajus
Phajus grandifolius 33490
Phakopsora grewiae 59051

Item

Phakopsora pachyrhizia 33227*
Phakopsora sojae 33333*
Phalacrotophora 64409
Phalacrus 82271
Phalaena saccharivora SEE Diatraea saccharalis
Phalaena typica 5338
Phalaenidae SEE Noctuidae
Phalaenoides glycine 4685
Phalaenopsis 17513 17515
17460 68359
Phalangida
abnormalities 64294*
anatomy and physiology 55699
Argentina 82188*
Chile 29317
collecting and preserving 64295
evolution 82188*
France 82181*
habits and behavior 82205
82181*
Michigan 73554
nutrition 38061 55699
Poland 12785* 38053*
Portugal 55687* 82154*
Spain 55687*
taxonomy 29313* 82154*
Phalangium opilio 38061
Phalaris
anatomy and physiology 77696
hybrids 881
taxonomy 85 140*
toxicity 12150 12151
Phalaris arundinacea 80099
9484* 18294*
breeding 88358*
genetics 928 42392
germination 77745
morphology 33598 77359
palatability 33598 36200
Phalaris daviesii 86515
Phalaris tuberosa 928
1601 12141 60511
77477
Phalaris tuberosa stenoptera 19713
Phaleris giordanii 21098*
Phaleris insulana 29340*
Phaleromela 46900
Phallomyces n g 41535*
Phallus impudicus 59437
Phaloniidae 21360 29059
92613*
Phaltan 460 42180* 86802*
Phanerogams SEE Spermatophyta
Phaneroptera falcata 21474*
Phaneropterinae 47212
Phanerotomea 21132*
Phantom midges SEE Chaoboridae
Phanurus beneficiens 4631*
Phaonia trimaculata 5077*
Pharbitis SEE Ipomoea
Pharini 55750
Pharyngeal glands 37871*
Pharyngomyia picta 28835
28836
Pharynx 36247 63471 4851*
29424*
Phaseolus aureus SEE Mung beans
Phaseolus lunatus SEE Sieva beans
Phaseolus mungo SEE Mungo beans
Phaseolus vulgaris SEE Beans
Phasiidae 38177*
Phasmatidae 29261* 56006*
anatomy and physiology 38526* 47224*
control 81899
eggs 82817
habits and behavior 29779
Phasmatodea 29759 56003
29751*

Item

Phasmatodea--Cont
habits and behavior 21472*
29760*
Oceania 37965
Phasmida SEE Phasmatodea
Phasmidae SEE Phasmatidae
Phasmoidea SEE Phasmatodea
Phassus signifer 81890*
Phatnoma 5221
Phaulacus n g 46793
Phaulimia 46910*
Phauloclavelia n g 82602
Phaulodinychidae 4968
Phauloppia 4961*
Phausis 82271
Phausis splendidula 12842*
Pheasants 73586 20305*
72593*
Pheidole pallidula 21137*
21138*
Phellem 79608*
Phellinus igniarius 24317*
Phellinus pini 67864
Phellodendron amurense
anatomy and physiology 67321*
biochemistry 9277* 77993*
culture 53276
morphology 68324*
planting 71280* 79354*
propagation 71175*
sites 79354*
USSR 32880*
Phellopteron n g 82882
Phellopterus littoralis 34339
Phellorinia herculeana 67609*
Phelypea ramosa 89258*
Phenacoccus 12931 21275
81756
Phenacridine chloride SEE Acrizane chloride
ortho-Phenanthroline SEE 1,10-Phenanthroline
1,10-Phenanthroline 30367*
Phenate 78343*
Phenethyl alcohol 6161
65278
1-Phenethylbiguanide 80792
Phenformin SEE 1-Phenethylbiguanide
Phengodidae 82271
Phenobarbital 91345*
Phenoform forte 63848*
Phenol carbonic acid 51458*
Phenol compounds 51543
51552 51579 1042*
6230*
Phenol red SEE Phenolsulfonephthalein
Phenolases 1224 1359
8438 34333* 43009*
51527* 57581* 75089*
83334* 88247*
in insects 21203*
in plants 56979 69171
77822 1128* 16859*
25263* 48319* 69047*
84223*
Phenolate SEE Phenate
Phenolcarboxylic acid 77710*
Phenolic acids 13636* 87567*
Phenolic-formaldehyde resins 2895 45117 11019*
45032* 71493*
Phenology SEE Climate and weather
Phenoloxidases SEE Phenolases
Phenols 36120 17694* 19237*
60354*
antioxidants 31363
chemistry 75109*
disinfectants 21893
effects on plants 1097
8971 68820
in animal physiology 45314
in apiculture 81955
in fruit 39740
in grain 6832*

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Item

Phenols--Cont
in plants 9132 9263 14166 16798 16852 19329 22416 25258 34322 51004 51052 51493 51498 51499 51548 53665 56570 60289 67821 69193 69194 77764 77772 77822 88141 9281* 34313* 42551* 60000* 60287* 69170*
in soils 61140*
bibliographies 2084
in tanning 48692*
in tea 34254
in tobacco 57592 14635* 48957*
in vaccines 36256*
in vegetables 48442*
in wood 27141 36088 60995* 90457*
synergism 4453
Phenolsulfonephthalein 36774*
Phenolsulfonphthalein test 90635*
Phenothiazine 28321*
effects on animals 27286*
effects on insects 29343*
effects on nematodes 63487
effects on sheep 37249 63464 28472*
livestock parasite control 54915*
therapeutic use 53997 11660* 81105*
cattle 54926*
fur-bearing animals 28082* 72374*
goats 63521* 81104* 81105*
poultry 28337* 63294*
rabbits 37150*
sheep 27238 54928 63442 81055 20354* 37220* 37225* 54926* 63433* 63521* 63530* 72885* 81104* 81029*
toxicity 19788 20087
Phenothiazine compounds 19880*
Phenoxy acids 17718 17783 17825 25955 74435
Phenoxyacetic acid 51084 43754* 89327*
Phenoxyaliphatic acids 60252
Phenoxyalkylcarboxylic acid 70327
3-Phenyl-1,1-dimethylurea trichloroacetate 17770 34951
Phenylacetylglutamine 56661
Phenylalanine 1313
Phenylboric acid SEE Benzeneboronic acid
Phenylbutazone 28103 36899 45836 80563
p-Phenylenediamine 14568
2-Phenylethylisothiocyanate 28780
Phenylmercuric acetate SEE Mercury compounds
Phenylmercuric chloride SEE Mercury compounds
Phenylnitrosamines 42235 42236 50718
Phenylphosphates 51539
Phenylthioglycolic acid 16842
Phenylthiourea 4585
Pheophorbides 69232
Pheophytin 51444 69232
Pherbellia 12903
Pherbellia fuscipes 12903
Phialocephala n g 274
Phialophora atra 24967*
Phialophora cinerescens 24340* 86859* 86882*
Phialophora fastigiata 16530
Phialuse n g 38518*

Item

Phigalia pedaria 20900*
Philadelphia Academy of Natural Sciences 41125
Philaenus leucophthalmus SEE Philaenus spumarius
Philaenus spumarius 29529 82522 92120 92126 28995* 64481*
Philanthus triangulum 81941* 81987*
Philately SEE SUBHEAD in philately UNDER specific subjects
Philhammus 64346*
Philicus 82225*
Philippine Association of Log Producers and Exporters 53531
Philippine Lumber Producer's Association 10983 71379 90299
Philippine Sugar Institute 57512 60608
Philippines Agricultural Credit and Cooperative Financing Admin 75887
Philippines Bur of Forestry Forest Reserves Section 10565
Philippines Bur of Plant Industry 77858
Philippines Reforestation Admin 70983
Philippines Sugar Technologists 34550 40186
Philippines University SEE Manila University of the Philippines
Philippodamias n g 21371
Phillips' Paper Trade Directory of the World 27131
Phillyrea angustifolia 77311*
Philocentrus n g 47115*
Philodendron 1821 16107
Philodendron oxycardium 66280
Philodromus 82201
Philonthus 55717 5032* 46892* 82291*
Philophthalmus 80812
Philophthalmus gralli 54739
Philophthalmus hovorkai 28254*
Philopteridae 64741*
Philosamia 82760
Philosamia cynthia 29635*
Philosamia cynthia ricini 13001 38497*
Philosamia ricini 5494 47197
Philosepedon 64444
Phlaeothripidae 5647 82913
Phlaeothrips ulmi 13079
Phlebia radiata 59878*
Phlebopus sulphureus 802
Phlebotominae 55814 38206* 38208* 38209*
Phlebotomus 38206*
anatomy and physiology 29424*
and disease
Africa 37559*
Brazil 37537* 38203*
British Honduras 81540
India 20614
Iran 20614
Kenya 73163 81516
Pakistan 20614
Panama 55294
reviews 55255 73183
Venezuela 55250* 55320*
Borneo 5141
Brazil 21216* 82405* 82406* 92468*
breeding places 92468*
China 38251*
diseases 64451*
ecology 55320*
France 29464
habits and behavior 5112

Item

Phlebotomus--Cont
Iran 12886 20614 29449 92453
Italy 29424*
Malaya 5141
Panama 5112
parasites 92456*
rearing and breeding 5104 5112
USSR 64435* 64449*
Washington 46928
Phlebotomus ariasi 29464*
Phlebotomus chinensis 38251*
Phlebotomus dentatus 64449*
Phlebotomus duboscqi 37559*
Phlebotomus intermedius 37537*
Phlebotomus iranicus 12886 92453
Phlebotomus longipalpis 55250* 64451*
Phlebotomus minutus group 64449*
Phlebotomus palestinensis 64449*
Phlebotomus panamensis 55320*
Phlebotomus perfiliewi 4474*
Phlebotomus perniciosus 4474*
Phlebotomus pinottii 38203*
Phlebotomus (Sergentomyia) 64449*
Phlegmacium SEE Cortinarius
Phlepsius 38289*
Phleum
anatomy and physiology 16855
breeding 51806
fertilizers 89710 61396*
harvesting 88639* 88641*
hay 36162
pests 29645
pollen 76852
seeds 51796* 88641*
soils 89531*
Phleum pratense
anatomy and physiology 25020 42558 77751 60227*
culture 9482*
cytology 8763 24733 59535 87332
hay 1594 36190
nutritive value 1594
planting 9447*
pollen 15655 49958
pollination 25020
seeds 1569 43261
varieties 1557
Phloem 1029 16305 25146 43031 50952 51005 51440 59496 8743* 8780* 33658*
Phloem necrosis
tea 42011
Phloeomyzus passerinii 81914*
Phloeopsis 46817*
Phloeotribus scarabeoides 20852*
Phloeotrypetus n g 38154
Phlogophora meticulosa 64643 81704
Phlogothamnus n g 55855
Phloridzin SEE Phlorizin
Phlorizin 377 1083 1313
Phloroglucides 16324*
Phlox 37763 51069 16790*
Phlox cuspidata SEE Phlox drummondi
Phlox drummondi 58638
Phlox paniculata 43489* 43583
Phlyctidium apophysatum 32954
Phlyctis agelaea 87269*
Phobetron pithecium 81832
Phocides polybius 64652
Phoenix SEE Dates
Pholeodytes n g 82227
Pholeomyia 5148

Item

Pholidoptera 38532 56000 29757*
Pholidopterini 56000
Pholidota 23972
Pholiota 41542
Phoma 8533 32961 8284* 58780* 58781*
Phoma betae 50322* 67883*
Phoma flaccida 33160*
Phoma herbarum medicaginis SEE Ascochyta imperfecta
Phoma lingam 41733* 41734* 51734*
Phoma solanicola 58944*
Phoma tracheiphila SEE Deuterophoma tracheiphila
Phoma violacea 8953 35957
Phomopsis 67908 86860 32978* 86846*
Phomopsis juniperovora 67858
Phomopsis leptostromiformis 16023
Phomopsis mali 41774*
Phomopsis pallida 86843*
Phonoctonus nigrofasciatus 73738
Phony peach
peaches 5252
Phoradendron 50098
Phorate
alfalfa pest control 46495
bean pest control 46507*
cotton pest control 12463 37683 28973*
determination 30939 75097
effects on plants 1079
effects on seeds 4627
field crop pest control 46497*
fruit pest control 20855*
fungicides 58980
grain pest control 4627
Lilium pest control 81829*
physiological action 46356
potato pest control 28979
residues 12597 30939 75097
tree pest control 81893
vegetable pest control 20748*
Phorbia SEE Hylemya
Phorbine 42825*
Phoresy 81475
Phoridae 21227 12863 64409 82359 82360
Phormia regina 21179 21183 29421 38181 38245 46916 55785 82388 12904*
anatomy and physiology 5065 5115 81405
habits and behavior 5170
Phormidium 216 70366*
Phormidium autumnale 60080*
Phormidium uncinatum 88139 68251*
Phormium tenax SEE New Zealand fiberlily
Phorodon humuli 37575 92122*
Phosdrin 4436 4449 12370 20574 28752 62723
Phosfon 987 16837 53430 42650*
Phospalor 70888*
Phosphaenus hemipterus 38144
Phosphamide 92051*
Phosphamidon 81870 20559* 37836* 81638* 81722*
cattle pest control 37556*
citrus pest control 46577* 46578* 64005*
cotton pest control 46455 55406
determination 75590* 84844*
effects on plants 20558*
greenhouse pest control 46610*

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Item

Phosphamidon--Cont
physiological action 91970*
residual effectiveness 46529*
residues 46365*
Phosphatase test 47923 39381* 56651*
Phosphatases 80025
determination 6206 83744
in animal physiology 11230 90753 45866*
in blood 11984 27865*
in cattle physiology 36645
in dairy products 6206 48052 48073 83744
in horse physiology 54634*
in insect physiology 29715 29716 46913 82603
in grain 39845
in plants 9311 16947 24387 25215 42296 42992 43022 51475 51539 88137 1331* 61165* 61166*
in poultry physiology 3920 28182 72592 72646
in rabbit physiology 12055*
in rat physiology 63200
in semen 45415 45870 46080
in soils 44004 61126* 61128*
in swine physiology 37378* 46252* 55092*
in vegetables 84204*
Phosphate esters 56343
Phosphate rock 2513 26645 35312 53799 54699 78980 79012 2271* 10179* 18263* 35401* 42470* 44232* 52699* 61211* 61242* 61648* 70385* 70493* 70496* 78646* 78987*
Phosphates
chemistry 6534 44504*
effects on plant disease 50522
effects on plants 1061 16698 16816 22334 87745 24876* 25092* 42761* 68564*
bibliographies 1003
feed 6417*
fertilizers 10187 10228 18368 26207 26291 26321 26615 52523 52631 61387 78983 89727 10269* 10271* 10292* 18381* 43936* 43968* 44148* 44169* 44521* 61387* 70622* 70882* 70885* 70888* 70912* 78613* 78681* 89645* 89701*
Acacia 90150
alfalfa 78714
Aztec tobacco 35424
barley 2352 44168 61411
clover 26304
corn 18248 52775 78697 35418*
cotton 18248 78697
Digitaria decumbens 51790
Dolichos biflorus 18360
field crops 2255* 70498*
fruit 44291*
grapes 44254
lemons 35387
lettuce 26247* 89952*
oats 10275 2296* 18337*
pastures and meadows 78678 78752 89699 78604*
peanuts 10162*
peas 18357 78697

Item

Phosphates--Cont
fertilizers--cont
Picea 79244
Pinus 2687 71157 26850*
potatoes 44244*
rice 18324 26299
statistics 89936
sugar beets 78655*
sugarcane 2336 18376 70521
tobacco 78704
tomatoes 78654
trees 18890*
wheat 78697 70619* 78592*
fixation 52493 61155 70269*
in animal nutrition 36179*
in animal physiology 79841*
in blood 62848
in cattle physiology 27881*
in corn 25166*
in food 38905* 74430*
in food processing 14429* 22576* 75479*
in human nutrition 76585*
in ice cream 65519
in meat 7002 48699* 75395*
in milk 65396 65421*
in milk processing 13848
in mink nutrition 91281*
in plants 953 1054 2310 16647 16974 25215 25221 54175 42325 42966 43037 69184 77553 77799 86862 87942 87996 1034* 16755* 33218* 42523* 42752* 61173*
in poultry nutrition 11908
in poultry physiology 37101
in seeds 60202
in semen 19666 90878*
in sheep physiology 72873*
in soils 2074 2089 2310 10024 17981 17999 18017 26207 34175 35125 35196 52497 52511 52523 52558 52576 61114 61119 61121 61155 70282 87942 16755* 26850* 43936* 43955* 43963* 43985* 44148* 52513* 52535* 52547* 52602* 61173* 61216* 61422* 70241* 70269* 78355
Australia 59231 78328
France 52543*
Germany 78394*
Great Britain 33497 59234
Malaya 26277
New Zealand 35136 89699
Republic of South Africa 52775
Rumania 52472*
Tropics 52510
USSR 17940* 70298*
in swine physiology 28643* 46252*
in wine 93233
in wood 19318*
insecticides 74417 75098 81834
toxicity 65172*
SEE ALSO Superphosphates; and names of phosphate compounds
Phosphatides 6215 3043* 54188* 91806*
Phosphatidic acids 48740
Phosphatidylcholine 1325
Phosphatidylethanolamine 1325
Phosphatidylinositol 48740

Item

Phosphine 31096 37776 29120* 81844*
Phosphinic acid esters 12333
Phosphoarginine SEE Arginiephosphoric acid
Phosphobacterin 70386
Phosphoenolpyruvate 1319 42937
Phosphoesterases SEE Phosphatases
Phosphoglucomutase 3918 69247*
Phospholipides
in flour 14246
in insect physiology 5065 46916
in milk 74743
in plants 9227 48740 51136 51284*
in poultry physiology 63263 80790
in semen 4041
Phosphomannan 57514*
Phosphomonoesterase SEE Phosphatases
Phosphonic acid esters 12333 11678* 46491*
Phosphoproteins 11960
Phosphopyridine nucleotides SEE Codehydrogenases
Phosphoric acid
determination 53087*
effects on plants 42802* 50999*
fertilizers 10503 26205 26623 26638 26640 26644 61663 78998 79025 2271* 18024* 26850* 44247* 53087* 61660* 70557* 89697*
statistics 70898
in feed 3394 28833* 30713* 45225*
in food 38898* 84193*
in plants 1399 87966 42984* 51051* 70244* 77542*
in sheep nutrition 54906
in soils 61159 70246 89487 18024* 26850* 52478* 61116* 70244*
in starches 48326*
properties 28833
Phosphoric acid esters 15509 28994 75116 4570* 4676* 72450* 73096* 82039*
SEE ALSO Organic phosphorus insecticides
Phosphoric anhydride SEE Phosphorus oxides
Phosphorite flour SEE Phosphate rock
Phosphorites SEE Phosphate rock
Phosphorobacterin 10068* 10091* 18085* 61216* 61241* 70339* 89538* 89543*
Phosphorodithioic acid esters 4600 46558*
Phosphorothioic acid esters 28750 69204 73680
Phosphorus
determination 18604 43988 44516 44522 26329* 70905* 89530*
effects on plant disease 50286
effects on plants 8924 9188 9210 24712 24920 42607 42665 42762 42779 42903 44021 51176 51186 51420 59828 60231 77586 77629 1037* 1105* 16539* 24854* 24880* 25111* 25127* 33919* 42628* 59350*

Item

Phosphorus--Cont
effects on plants--cont
59383* 59384* 59385* 59621* 59677* 59929* 60061* 60109* 60148* 68053* 68566* 68658* 68773* 68822* 68823* 68824* 68901* 69060* 69156* 77562* 77582* 77656* 77657* 87533* 87938* 87967* 88223*
bibliographies 42535 42537 42538
effects on seeds 33919*
fertilizers 10032 18601 18602 26268 26319 44516 78979 10314* 17965* 18345* 44189* 70385* 70905* 78736* 78742* 78976* 79017* 89950*
alfalfa 10264 44186 68562 89640 26357*
apples 44155 34198*
Azalea 35394
Aztec tobacco 35321
bananas 78570
beans 52796 26265*
beets 8897
corn 10189 52871 35419* 44262* 52857* 70497* 78623* 89702* 89774*
cotton 18257 20800* 26282* 26334* 70493* 70520* 70641* 78651*
field crops 981 8904 78705
flax 35354*
forage plants 18292
fruit 52850
grain 2309 44266* 70607* 78628*
jute 10177 10219
Larix sibirica 79345*
Leucaena glauca 26917
onions 52703
pastures and meadows 26297* 78668*
peanuts 78732*
Picea abies 79345*
Pinus 18902 79345*
potatoes 26347 26215* 35292*
rape 35369*
red clover 44146 59384*
rice 42762
rye 70669
shrubs 44857
sorghum 18257
soybeans 61353
spinach 8897
sugar beets 1287 51211 26316* 78606*
sugarcane 51345
sweetcorn 52796
sweetpotatoes 8867
tea 10206* 44207*
tobacco 89770*
tomatoes 70489* 87983*
trees 44857 90174*
vegetables 52850
wheat 18253 52695* 78690*
fixation 2100 35145 35202 61171 61160*
in animal nutrition 53799 71647 36179* 53785* 53789*
bibliographies 11185*
in animal physiology 53925*
in beans 34125 68648
in blood 11983 54347 62910 72110 72599 91416 11550* 27769* 27865* 54868* 62815* 63266*
in buffalo physiology 90957
in casein 47908

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Item

Phosphorus--Cont
in cattle nutrition 3394 4228 19767 27651 27666 54157 54436 11517* 91129*
in cattle physiology 27777 45611 72246 19822* 19945* 62762* 62845*
in corn 25166* 68649* 68937*
in cotton 87540*
in dog physiology 54550*
in eggs 80927
in feed 45206* 90520*
in flax 77705*
in goat physiology 72873*
in grain 57128 48523* 75268*
in horse physiology 45827*
in human nutrition 49650*
in insect nutrition 82235
in insect physiology 38253 46929 82018*
in milk 74720* 83747*
in oats 77705*
in onions 52703
in plants 1077 1159 1270 1282 1287 8972 9168 9210 10244 10264 10779 16533 17988 24794 24901 33940 34028 42453 42469 51075 52726 52796 59856 60178 60186 60222 68624 68705 87688 89488 1034* 1037* 1071* 1105* 1164* 1197* 1398* 16781* 25050* 34221* 50955* 51036* 51049* 51071* 51076* 59782* 59815* 59957* 59992* 61216* 61242* 68567* 68660* 68689* 68740* 68856* 68955* 68956* 68977* 69111* 69162* 77494* 77669* 78716* 87507* 87752* 88226* 90542*
bibliographies 998
in poultry nutrition 3854 3872 3882 11908 11916 54715 54726 63252 72492 72514 72515 72539 72570 72580 72691 91410 91411 91416 91419
in poultry physiology 3938 20222
in rabbit nutrition 4017
in rabbit physiology 54868*
in rat physiology 72451*
in rice 51216
in ruminant physiology 11259 71744*
in seeds 68569* 69082* 69083*
in semen 3259 36400
in sheep nutrition 37198
in sheep physiology 4081 54947 81022 37215*
in soils 10032 10306 16709 17988 18022 18036 26124 26276 35156 35157 35178 43947 43988 51227 51409 52461 52463 52559 52831 60231 62801 70264 77567 78441 79252 89483 2073* 2090* 26085* 43935* 43958* 44266* 50955* 59621* 61160* 68660* 70281* 70298* 70314* 78330* 78452* 78680* 89530* 90138*
Australia 35163 59856 89480
bibliographies 2085

Item

Phosphorus--Cont
in soils--cont
Bulgaria 89492*
Canada 52515 52546 52573 52832
Finland 26276 26336
Germany 44097*
India 26084 44130
Ireland 87674
Jamaica 52574
Lithuania 43981*
Missouri 52484 52871
Oklahoma 61132
Portugal 10017*
Spain 35127
Taiwan 89488
USSR 18288 2101* 18345*
United Arab Republic 52552
Utah 26306
Yugoslavia 68955*
in sugar beets 1099
in swine nutrition 4228 28605 37314 37317 37342 91790 12202* 81184* 81211*
in swine physiology 4197 81211*
in tomatoes 69052*
in turkey nutrition 20176 20178 45940 54726 72514 91398
in vegetables 68608*
in wheat 87969 68937* 77515* 77705*
in winter rape 50948*
toxicity 79896 37158*
Phosphorus compounds 35196 46327* 61240* 67665* 68706* 70349* 84204*
in food 38905* 74430*
in insect physiology 5567
in plants 77543 87751*
in seeds 68799*
in soils 61222* 70356*
Phosphorus oxides 40199 53075 2511* 40199* 61133* 70304*
Phosphorus pentoxide SEE Phosphorus oxides
Phosphoryl chloride 70889*
Phosphorylases 1390 16924 34330 39634 69247*
Phosphorylation 1246 16596 16647 16669 16846 34245 42644 50926 50937 60236 60248 68684 69062 87681 87709 87754 87755 87917 87991 88043 88209 88215 92409 34174* 68932* 87631*
reviews 68644*
Phosphorylserine 11960
Phosphothion 91862*
Phostoxin SEE Phosphine
Photinia 8205
Photinus pallens 73656
Photinus pyralis 92409
Photinus sanctae-luciae 46863
Photoelectric cells 74075*
Photogrammetry
forests 44679 71038 10628* 26792* 44671* 44683* 44684* 61801* 71046*
soils 26159* 86318*
vegetation 86318*
Photography
aerial 7546 90097 49368*
forests 2608 2808 18797 18827 23757 35715 44663 44687 53242 61773 61799

Item

Photography--Cont
aerial--cont
forests--cont 71047 79169 90086 90102 90103 2626* 44677* 44683* 44696* 44706* 44893* 61786* 79157*
Alabama 61785
Australia 26778
bibliographies 2618
Brazil 10634
Canada 2632 71064 79147 79160
Czechoslovakia 26769*
Germany 53219*
Iran 26793 35716 90098
Italy 71046*
Japan 2637 35712*
Minnesota 2624 2625
Netherlands 44702*
Pacific Northwest 10644 44668
reviews 61787*
study and teaching 18777
Switzerland 61790*
Tropics 79165 44665* 44686*
USSR 58485
land utilization 7701 7703 22973 23757 66843 94579 94602 49400* 58054* 78894*
soils 2460 23757 61292 2220* 52667* 58054* 61307* 89569*
vegetation 17143
animals 11568 27390 28162 71877 71628* 71885* 72790*
equipment 71877
food 31239 74394 84682
in engineering 5664*
in forestry 71373 79060 90194
insects 4875 28737 73461 81494 82086 92482 20958* 82105* 82631*
plants 34742 68647 86296 86358
SEE ALSO Films; Motion pictures; Photogrammetry
Photometry 6218 24605 65936 69013 83753 93233 14241* 61786* 70305* 74700* 87708* 93050*
flame 22329 30128 30146 9024* 12242* 19878* 30518* 31587* 31588* 38888* 43040* 43934* 53925* 78352* 83332* 93316*
SEE ALSO Spectrophotometry
Photomicrography 2991 5554 67340 54012*
Photon counters 2044*
Photoperiodism
Abies alba 26888*
Anagallis arvensis phoenicea 50977*
animals 46052 72719 46249*
Arabidopsis thaliana 24917
Astragalus sinicus 42861*
barley 59514*
Begonia 1035 33915 25138* 88008*
blueberries 16625
buckwheat 60189*
Buddleia 8758
cacao 9108
carrots 87499*

Item

Photoperiodism--Cont
cauliflower 34081
Chenopodium album 25054*
cherries 77649*
chickpeas 42747
Chrysanthemum 42743* 69012*
clover 68997
Coniferae 60247
corn 59366* 59459* 60036* 68994*
cotton 8820*
cowpeas 33957
Dactylis 59790*
Dianthus caryophyllus 33845
Diptera 55842*
einkorn 9169
Elymus junceus 51374
Eucalyptus 1231
flax 69132*
forage plants 87538*
grapes 59757 24776* 24877* 87992*
grasses 34220* 69074*
Hemiptera 21293*
insects 5450 21443 29330 29406 55922 55984 21376* 29231* 29257* 29513* 47159* 55926* 64376* 82671*
reviews 38005
Ipomoea nil 51201*
Jerusalem artichokes 51393*
Kalanchoe 34055 24978* 42626*
kenaf 77911
legumes 34220*
Lemna 87684
Lepidoptera 73838*
Leptosphaeria michotii 51116*
Lilium longiflorum 16721
Lolium 1192 16753 87616 59790*
lupine 9132*
melons 42464*
millet 60201*
mites
reviews 38005
Morus 77722
mung beans 43650
oats 8977
Ocimum basilicum 42596*
Orthosiphon grandiflorus 88039*
peas 87548
Perilla frutescens crispa 16814*
Picea 79291
Pinus 1056 10748 42245 77736
plants 8893 51178 51236 51334 59798 59933 69036 77726 9032* 9037* 16620* 33877* 34078* 42616* 59954* 59996* 68808* 68868* 69061*
Plectranthus fruticosis 16815* 42596*
Populus euroamericana 53272*
potatoes 24413 9205*
radishes 87723*
rice 9071 42690 59786 60049 77641*
Rottboellia exaltata 87615
sainfoin 8873*
Salvia splendens 50674
Sequoia gigantea 1243 34177
Setaria verticillata 25001*
soybeans 1048* 59824* 59875*
Spermatophyta 16813* 25000*
spinach 24829
strawberries 69037*

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Item

Photoperiodism--Cont
sunflowers 24799*
sweetclover 16658 42656
Thuja occidentalis 77736
Tilia americana 50929
tobacco 68655*
tomatoes 24992* 68616*
trees 51394
Ulex europaeus 34068
vegetables 87548 87882
wheat 8784 16761
24956 25104 42711
9189* 50776* 51337*
59529* 59594* 59934*
60085* 60201* 60268*
68652* 77665*
white clover 24801
Xanthium 1148 60078
Zoysia 1308
Photosensitization 19788
46768 63447
Photosynthesis 947 950
979 1104 1260
1261 8685 9206
9259 16669 16980
24783 24803 33872
33941 34079 34195
34196 34210 34211
34216 40229 42495
42521 42606 42610
42611 42875 42934
50926 50952 51024
51245 51248 51326
51467 51514 51537
51538 59842 59847
59971 60072 60282
68591 68843 68995
69064 69085 77483
77536 77537 77548
77556 77559 77680
77831 87501 87583
87593 87629 87681
87709 87840 87856
87954 88088 88099
88100 88109 88163
88166 88171 88179
88231 88244 92409
966* 1351* 10858*
16523* 16839* 24781*
30119* 33855* 34002*
34090* 42748* 42750*
51400* 51510* 59810*
59857* 68258* 68672*
68679* 69003* 69018*
77486* 77800* 87558*
87714* 87715* 87838*
88030*
Abies balsamea 16554
42530
Acer 87781*
Acetabularia 9170
algae 8887 8963 25117
42578 51380 60312
77478
apples 16556 68706*
bacteria 1178
bananas 50394
beans 87800 68842*
69253* 87520*
Betula 87735 42672*
Brassica kaber 77561
cabbage 42816
Campanula persicifolia
68842*
Carex pachystylis 60069*
Chlamydomonas reinhardi
42698
Chlorella 16499 16942
24909 77813 87837*
coconuts 69180
Coniferae 50967
corn 1163 1166 9103
25016 42629 68630*
69125* 77598*
cotton 60267* 68643*
68732*
Cuscuta 24987
Cynodon dactylon 68535
desert plants 68659*
87621*

Item

Photosynthesis--Cont
Dryopteris filixmas 60054*
Egregia laevigata 68598
Euglena gracilis 87888
forage plants 25422
grain 25021
grapes 24933* 51384*
42673* 51144*
grasses 68534*
Juglans regia 87781*
Morus alba 90156*
muskmelons 42850
Nicotiana sanderae 69016
parsnips 77561
peas 42699
Picea 16554 42530
68694* 68695*
Pinus 10748 60352
42672*
plankton 1286 9087
68725 87984*
Poa bulbosa 60069*
Porphyridium cruentum
68578
potatoes 68681* 68682*
68893* 77545* 88042*
Quercus robur 16498*
87735*
reviews 51507 77717
77739 68644*
rice 9078* 42680*
Sasa 33541
Scenedesmus 88113
soybeans 1167
spinach 87754 88150
88169 69253*
sugar beets 25015 25035
88053*
sugarcane 1304* 1305*
sunflowers 34045* 68542*
88090*
tea 50918*
tobacco 34205 87618*
88053*
tomatoes 50975
trees 61812
Typha 77489
wheat 16679 16511*
87874*
SEE ALSO SUBHEAD
anatomy and physiology
UNDER names of plants
Phototaxis SEE Phototropism
Phototropism 986 12810
12811 42474 50939
50989 51082 55694
55989 68593 69028
88014 16620* 24850*
51092* 82698* 82815*
Photuris missouriensis 38126
Phragmatoecia castaneae
47168*
Phragmilejeunea 24052
Phragmites 61030* 79662*
Phragmites communis
analysis and composition
56910*
anatomy and physiology
42681* 87335* 87750*
control 35028 9884*
morphology 68326*
pests 5160*
Rumania 48256*
USSR 25399*
Phratora 29338
Phreatophytes 973
Phrixothrix 73656
Phrosinella 38227
Phryganea grandis 82910
92660*
Phryganeidae 13071 13099
Phryganophilus ruficollis
46873*
Phryganopteryx 38515*
Phrygilanthus celastroides
9235
Phryxe vulgaris 92457*
Phthalofyne 36783
Phthinia 46959
Phthiria 73694

Item

Phthirus pubis 5636
Phycita 47130*
Phycitidae 37792 81635
29634* 29708*
Phycitinae 5548
Phycobilins 69187
Phycoerythrins 88201
Phycomyces 986 1022
1283 25143 50989
51342
Phycomyces blakesleeanus
9053 34214 68593
69028 16695* 25088*
51458*
Phycomycetes 32952
Arctic Region 61202*
cytology 50721
Japan 15869* 33563*
33564*
Ohio 58808
Oklahoma 24093
reviews 59078*
Texas 24093
Phycopeltis 15921
Phylini 47019*
Phyllachora 8418 15978
32974*
Phyllanthus emblica 50778
51564
Phyllocephalinae 64520*
Phyllocladus trichomanoides
90431
Phyllocnistis citrella 29093
Phyllocoptes fockeui SEE
Vasates fockeui
Phyllocoptes oleivorus SEE
Phyllocoptruta oleivora
Phyllocoptruta oleivora 12557
63979 63994 63995
73288 12549* 29081*
29082* 64022* 64024*
81798*
Phyllody
Cananga odorata 783
clover 12452 33390
41982
Ladino clover 16134*
Momordica charantia 790
potatoes 42028*
sesame 33401
Phyllolabis 5055
Phyllophaga 12598 37764
Phyllophaga bruneri 46911
Phyllospadix 59861*
Phyllostachys bambusoides
33245 17830*
Phyllostachys pubescens
1803
Phyllosticta 299 41527
41548 245* 275*
299* 86550*
Phyllosticta antirrhini 41875
Phyllosticta populorum 50348
Phyllotaxy 42310 77366
24599* 24645* 24669*
Phyllotreta 4659 92118
12519* 92075*
Phyllotreta armoraciae 82287*
Phylloxera 68545 12559*
29075* 73297* 92171*
92178* 92185* 92190*
92197*
anatomy and physiology
12924*
control 4689* 29067*
29078* 29091* 73308*
USSR 46555* 55489*
55491* 55509* 92176*
USSR 55484* 64004*
Phylloxera coccinea 73404*
Phylloxera vastatrix SEE
Phylloxera vitifoliae
Phylloxera vitifoliae 59763
12924*
anatomy and physiology
38333* 55866*
control 55507 46549*
46587*
Phylloxeridae SEE Chermidae
Phylus balcanicus 5234

Item

Phylus breviceps 5234
Phymatidae 55859
Phymatosilpha n g 82845*
Phymatosternus n g 29385
Phyrdenus muriceus 4646
Physalis alkekengi 42561*
Physalis floridana 5243
55427
Physalis longifolia 41447
Physalis peruviana SEE
Ground cherries
Physaloptera pseudoprae-
putialis 63076
Physalospora laricina 517*
16089*
Physalospora miyabeana 514*
Physalospora rhodina 33297
50312
Physalospora tucumanensis
SEE Colletotrichum falcatum
Physarum 8291 67618
Physarum gyrosum 42670
Physarum polycephalum
16318 24780 42351
50681 88193 68410*
Physatocheila 5221
Physcia 50147
Physciae 50148
Physcomitrium coorgense
16342
Physcomitrium eurystomum
8269
Physcus 29582
Physicians 66954* 66967*
Physocephala 5074
Physoderma 8311 8535
Physoderma claytonianum
16080
Physoderma maydis 24212
Phytagromyza 5149 5153
Phytates 75116
Phytic acid 37337 51554
55108 69005 77757
91419
Phytin 1367 4081 39844
39845 57128 87980*
Phytoactin 8496
Phytobia 5149 21237
Phytobia pygmella 92466
Phytocoris 82538 47058*
Phytocoris (Exophytocoris)
n sgen 38352*
Phytocoris (Ktenocoris) 38352*
Phytodecta olivacea 5029
5331
Phytodietus griseanae 92552
Phytodromus n g 4941
Phytoecia 46817* 82225*
Phytoene 77760
Phytol 16911* 42825* 88127*
Phytolacca americana 16966
Phytolacca dioica 2649
Phytolacca octandra 89287
Phytolyma lata 82636
Phytomyza 5149 12882
Phytomyza atricornis 82383
92466
Phytomyza lateralis 4635*
46500* 63932* 81621*
Phytomyza rufipes 81635
Phytoncides SEE Antibiotics
Phytonomus 12857*
Phytonomus nigrirostris
20691*
Phytopathological Society of
Japan 50216*
Phytopathology 15950 24164
41601 41663 50253
53987 58911 8362*
associations 67666 50216*
bibliographies 23728
Canada 50154
conferences and congresses
309 8320 24111
50152 50153 58815
67667
Africa 33036*
Germany
East Germany 41588*
Italy 77046

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Item

Phytopathology--Cont
equipment 15934 33246 33451 77181 77259 24187* 24382* 33395*
Germany
East Germany 38038*
history 50233 41646*
India 86696
Italy 50179* 86619*
Netherlands 24181* 58887*
research
statistical methods 445 41631
reviews 41654 58891*
study and teaching 15910
Taiwan 86713
techniques 8461 8599 15900 42072 50199 50238 50369 67851 87065 24443* 33358* 41819* 77202* 86848*
SEE ALSO SUBHEAD diseases, and classes of diseases UNDER Plants and names of plants
Phytophaga destructor 4627 20797 28977 28982 63899* 92138*
Phytophthora 41858*
anatomy and physiology 86950
avocados 78058
citrus 58978 58995 60654
Coniferae 41847
Hevea 67827
hops 481
Piper nigrum 41796
potatoes 483* 511* 8417* 33197* 41857* 67773* 67804* 86866*
tomatoes 52086
Phytophthora cactorum 8526* 16071* 41737* 41750* 41886* 67778* 86800*
Phytophthora cambivora 16865 41786* 67943*
Phytophthora capsici 77381* 87296*
Phytophthora cinnamomi 8554 24249 50432 58943 41786* 41787*
avocados 41755 41933 43395
Castanea 67943*
Casuarina 24198*
Erica gracilis 67910*
Macadamia 41934
Pinus echinata 50278 50430
Pseudotsuga menziesii 16028
Phytophthora citrophthora 78972 58925*
Phytophthora colocasiae 8505
Phytophthora cryptogea 16001
Phytophthora drechsleri 77090
Phytophthora fragariae 1097 8451 33195 59076 67829 67586*
Phytophthora infestans 8540 41729 52130 67356*
anatomy and physiology 16057* 68962* 77684*
cacao 24353
genetics 50887 938*
potatoes 426 427 24275 24306 25858 33225 33309 41876 41909 50378 58996 67820 77121 15972* 16057* 17597* 24222* 24333* 33178* 33318* 33342* 50281* 50304* 58919* 59068* 86785* 86928*
tomatoes 24306 16057* 24219* 24222* 24274*
Phytophthora megasperma 401 8546

Item

Phytophthora palmivora 505 8421 8536 24264 41743 50351 67831 67899 86961
Phytophthora parasitica 8458 78972 50403*
Phytophthora parasitica nicotianae 33148 50302 58918 67932
Phytophthora phaseoli 77123
Phytophthora syringae 67586*
Phytoplankton SEE Plankton
Phytoptipalpidae 12779
Phytoptus ribis SEE Cecidophyes ribis
Phytoscutella n g 4941
Phytoscutus n g 4941
Phytoseiidae
Algeria 55651*
anatomy and physiology 73569
as predators 63753*
Canada 64293
Florida 55696
habits and behavior 46801 82115
Hong Kong 92340
Japan 12764
nomenclature 12763*
nutrition 4915*
rearing and breeding 82167
Southeastern States 55663
taxonomy 4941 55663 55666 73569 82140 82191
USSR 64321* 92341*
Phytoseiulella n g 4941
Phytoseiulus riegeli 28748*
Phytoseius 55696 92340
Phytoseius intermedius 55666
Phytoseius nipponicus 82140
Phytotron 8121 25184 79311 88066 87821 15643* 42704* 49954* 76891*
Piavetrin 37370*
Picea
age 44825* 61806* 61951* 71065* 79199* 90126* 90491*
anatomy and physiology 33837 8894* 16705* 51265* 68694* 68695*
bark 2945* 62215*
biochemistry 44825*
breeding 44856*
Bulgaria 19007*
Canada 26732
Carpathian Mountains 90491*
clear cutting 4755* 17909* 18963* 35747*
cones 2728* 18932* 26931* 35820* 44825* 44860* 51265* 61951* 71283*
coppice 18996* 35747* 61835* 90308*
crowns 61783* 71061*
culture 18935 53351 18849* 18864* 26811*
reviews 18845
cutting systems 90126*
ecology 16220* 16232* 59325* 61971* 68112* 71121* 71212* 79628* 87171* 87228*
fertilizers 53351 26841* 44776*
Germany 71154*
East Germany 71140*
USSR 19003* 61878*
Yugoslavia 79254*
fungus diseases 58946 16032* 50379*
genetics 44829* 44835* 79266*
Germany 53523* 55656*
germination 79299 44825* 79347*

Item

Picea--Cont
growth 44678 18874* 18963* 61777* 61781* 61835* 61836* 61848* 61878* 61932* 71065* 71102* 71121* 79208* 79254* 79266* 79306* 90126*
hardiness 78302* 79182* 79208*
harvesting 27022* 90234*
improvement cutting 18874* 61821* 61840* 71102* 71121*
injuries 18996* 26946* 44697* 90266*
litter 90133* 90138*
Maine 33482
measurement 44678 18793* 18824* 26769* 26773* 35705* 44682* 44697* 61777* 61781* 61783* 61789* 61806* 71061* 71065* 79266*
mortality 18935
pest control 4745 4755* 12630* 46650*
pests 46665 64482 29260*
Austria 12657*
Bulgaria 37835*
France 81879*
Germany 37827* 81907*
Japan 55577*
Norway 20876*
Switzerland 46651*
USSR 55574*
planting 10786* 18931* 26902* 61924* 61932* 71252*
pollen 24609*
pulpwood 11034 36074 45061 53644 79547 36029* 45047* 45050* 45065* 62143* 79524*
regeneration cutting 26877*
Rumania 79228*
seed-tree cutting 18969*
seedlings 33837 2696* 26902* 42564* 61924* 71252* 79306*
seeds 2694 79299 2728* 10743* 44860* 46649* 71283*
sites 35758 26902* 61814*
size 79182*
soils 18035* 26163* 26841* 78536* 79284* 89513*
Germany 2724*
East Germany 61814*
USSR 17909* 68694* 78302* 87228*
thinning 2673 71061* 90151*
underplanting 44788*
USSR 35684* 44817*
varieties 1830
weed control 53351 44813*
wood 16530 45130 61781 62213 62226 71154 2858* 19338* 27179* 27201* 35908* 36116* 44829* 45154* 71449* 71600* 73387* 79628* 90151* 90473* 90491*
yields 18793*
Yugoslavia 42137* 71600*
Picea abies
age 77807*
anatomy and physiology 16732 24857* 25148* 42906* 68415* 77748* 87310*
biochemistry 77807*
brush control 53331*
cones 44808* 77807*
crowns 2778
Czechoslovakia 143*
ecology 77315*

Item

Picea abies--Cont
fertilizers 71161 90177*
fungus diseases 16018 67952 8499* 16035* 67953*
germination 24371 44849*
growth 53273* 71129* 71177* 71206* 79153*
hardiness 77748*
improvement cutting 71129*
injuries 71298* 79371*
litter 78444 53284*
measurement 79153*
morphology 71129* 87310*
Norway 81970*
pests 20889* 29141* 37800* 47041* 64071* 81911*
propagation 61890*
pruning 27165 79249
seedlings 79304 79345*
seeds 24371 26859* 44849* 61881* 61904* 61919*
soils 53284* 68415* 71206*
Sweden 71298* 79270* 90224*
thinning 26843* 53273* 53316* 71143*
turpentining 62181
USSR 86484*
wood 11133* 45153* 62228*
yields 71076*
Picea breweriana 1769*
Picea canadensis SEE Picea glauca
Picea engelmannii 10775 47008
Picea excelsa SEE Picea abies
Picea glauca
anatomy and physiology 8931 16554 34225 42530 51103 59869 79599 90191
bark 71539
Canada 18731 53379 59869
ecology 658
extractives 45095
fertilizers 71161
fungus diseases 16018 20929 41769
germination 61900 79279
growth 2642 79291
pests 4746 20929
planting 79265
pollination 61929*
propagation 90191
seedlings 79291
seeds 61929*
underplanting 2757
Picea glehni 654
Picea jezoensis 71578 2896* 4776*
Picea mariana
Canada 53379
clear cutting 79264
culture 79203
cutting systems 18959
ecology 16211 79203
extractives 45095
fertilizers 61879 79264
growth 79291
measurement 79203
propagation 2752
pulpwood 2908 71531
seedlings 79291
sites 10747 44723
soils 44723 61879
thinning 79264
wood 53704
Picea morinda 90067
Picea nigra SEE Picea mariana
Picea obovata 87757*
Picea omorika 10707* 79214* 79306*
reviews 61818

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Item

Picea orientalis 44661*
Picea pungens 41769 45095 61900
Picea rubens 2735 79291
Picea schrenkiana 90203*
Picea sitchensis
  age 90464
  anatomy and physiology 61845*
  fertilizers 79244 79245
  growth 79306*
  measurement 90083 18776* 18802*
  morphology 50676
  pests 79378 29136* 29161*
  planting 79283
  pollen 61908*
  Rumania 61841*
  soils 79252
  thinning 2678 53324*
  wood 19353 27189 29164 36022 79612 90346 90464
  yields 61845* 71076*
Pichia 32982
Pickles
  analysis and composition 48144*
  processing 6720 39764 65789 84341 93663*
  quality 6720 75111
  regulation and inspection 75165* 93610*
  spoilage 22389*
  storage 48449
  weight and measurement 93610*
Picric acid 62388*
Pielou E C 671
Pierce's disease
  grapes 63996
Pieridae
  abnormalities 5344
  anatomy and physiology 29664 13020* 82757* 82795* 82809*
  Canada 64681
  Carpathian Mountains 82794*
  Comoro Islands 29261*
  Czechoslovakia 47172*
  ecology 29672
  food and host plants 13038* 21428* 29721*
  geographic distribution 47133*
  identification 5506
  India 21410
  Malagasy Republic 73804*
  nomenclature 5551 29637*
  rearing and breeding 5353
  Socotra 73804*
  taxonomy 64667*
  Turkey 47161
Pieris 55961
Pieris brassicae
  anatomy and physiology 21443 64619 55926* 55980* 63761* 82731*
  control 63718* 81734* 92128* 92140*
  eggs 73812
  food and host plants 38452 12527*
  larvae 21410
  rearing and breeding 38452
Pieris bryoniae 13034* 21444* 47172* 82794* 82795* 82809*
Pieris higginsi 64689
Pieris japonica 33216
Pieris melete 81682*
Pieris melete group 64689
Pieris napi 47172*
Pieris napi bryoniae 64667*
Pieris napi group 64689
Pieris napi lutea 38435
Pieris napi sulphurea 5353
Pieris protodice 5407
Pieris rapae 5407 29672 82713
  control 4644 63893 63965 73123
  parasites 12495
Pieris rapae crucivora 13038* 21428* 29731* 29732* 82720* 82757*
  eggs 38480*
  habits and behavior 5525
  rearing and breeding 38512
Pieris rapae group 64689
Pierretia 46953*
Piesma 92097* 92133*
Piesma quadratum 73188* 73189* 73198* 73214* 81670* 92062*
Piesmatidae SEE Piesmidae
Piesmidae 92489 82511*
Piezodorus lituratus 55847*
Piezometer 70221
Piezotrachelus varium 37661
Pig Testing Scheme of Southern Africa
  Salisbury Station 20546
Pigeon pox 3901* 28341*
Pigeonpeas
  anatomy and physiology 69592 77742 81723
  biochemistry 9312 88243
  canned 14116 14185
  culture
    reviews 43235
  dried 14180
  enzymes 22334
  freezing 14186
  fungus diseases 59055
  genetics 8806 59724 68430 87380
  India 39783 65897
  pests 4618 37680 81723
  quality 84296
  Rhodesia and Nyasaland 25462
  varieties 34517
  yields 69592
Pigeons
  and disease 4562
  breeding 28168*
  breeds 80917
  care 91564
  cytology 63318 80798*
  feeding and nutrition 80740 3852*
  fertility 36962
  habits and behavior 3986 4000 80917
  homing 72685 20300*
  infectious diseases 63331
  pests 4475 4562
  poisoning 63300*
  surgery 20214
  SEE ALSO names of anatomical parts, body fluids, diseases, and other pathological conditions, operations, parasites, and pests
Pigments
  alfalfa 60355*
  algae 9315 42671 69274 87518
  animals 36350 45454 48640 75459 84636 53750*
  Antirrhinum majus 77820*
  aquatic plants 88185*
  Argemone mexicana 25238
  bacteria 10083
  beans 9274
  Bombyx mori 4846* 82042* 82051*
  Chlorella 42459 88230
  Chlorophyceae 9307*
  corn 34275 87394
  cranberries 41840
  Cruciferae 42219*
  Delphinium 87796*
Pigments--Cont
  Dianella 25187
  Diptera 5090 21192 29479 73709
  fruit 16599*
  fungi 400
  Fusarium oxysporum 34308*
  grapes 30953* 39158* 88221*
  Hemiptera 55847*
  insects 64408 73529 73641 47090* 47129* 73875*
    reviews 82112
  Ischnura elegans 5597
  Jerusalem artichokes 9251*
  Kalanchoe blossfeldiana 50902*
  Lepidoptera 82700
  Mathiola incana 1322
  mites 64307
  Moringa oleifera 77805
  Opuntia dilleni 16940
  Oscillatoria subbrevis 59882*
  plants 1338 1380 9115 9317 14566 25216 28195 34257 34263 50965 51473 51515 60322 88099 88140 88171 88231 1327* 1394* 34320* 42953* 43015* 43029* 87588*
  Polyporus hispidus 25191
  potatoes 69267* 69268*
  redpeppers 22331* 51452* 69201*
  rice 42436
  roselle 50901
  Scytonema tenue 1285
  soybeans 68436
  sugar beets 69260*
  sunflowers 68550*
  tomatoes 42871*
  Trollius asiaticus 75794*
  vegetables 48449
  wheat 9164 24998*
  Zephyranthes candida 34331
  SEE ALSO names of pigments
Pigs SEE Baby pigs; Boars; Swine
Pikonema alaskensis 46665
Pilea 89087
Pilibracon SEE Bracon (Pilibracon)
Pilings 18819 44968 44971 44992 71448
Pillinga National Forest (Australia) 79128
Pilobolus 36323
Pilobolus kleinii 87702*
Pilobolus umbonatus 87702*
Pilocarpus 8198
Pilocarpus pennatifolius 16605*
Pilosoma n g 4955
Pilostemon n g 15758*
Pilostyles berteroi 8748
Pilot Farm Scheme (Gt Brit) 40559
Pilot Farm Scheme (Northern Ireland) 7806
Pilot villages 14978*
Pimelia 92372*
Pimeliaphilus 12776
Pimenta dioica 16294
Pimenta officinalis 52366
Pimpinella nigra 67520*
Pimpinella saxifraga 67520*
Pimpla instigator 82591* 92220*
Pimpla lineata 5279
Pimplinae 82623 82656 29576*
Pin oak SEE Quercus palustris
Pinaceae SEE Coniferae
Pinchot G 8020
Pine bark aphid SEE Pineus strobi
Pine Hills Natural Area (Indiana) 76908
Pine-needle oil 75583
Pine needles
  analysis and composition 9314*
  feed 27280
  measurement 35705* 53233*
  moisture 10749
  mulch 26801 19008*
  properties 22713
Pine nuts 44820* 44823* 71227* 79418*
Pine oil 19297*
Pine root collar weevil SEE Hylobius radicis
Pine tar 71547*
Pineal body 37007 19436*
Pineapple juice 14146 48325 57087
Pineapples
  anatomy and physiology 1063 87578 24997* 43984* 87929*
  Australia 56936
  bacterial diseases 33360*
  Brazil 14050*
  canning 6701
  consumption 48348
  costs and returns 49272 88859
  culture 88856*
    Angola 1693* 34619*
    Australia 88862
    Florida 60666
    Guinea 35585*
    India 9589
    Nicaragua 78043*
    Republic of South Africa 49272 60646
    Taiwan 78048 25598*
    Venezuela 43376*
  fertilizers 89758
    bibliographies 2266
    Guinea 35361 24997*
    India 35338
    Puerto Rico 78617 78703
    Republic of South Africa 26255
  frozen 75229
  fungus diseases 86906
  Hawaii 6701 7530
  nematodes 8618
  nutritional deficiencies 16553
  pests 37692*
  products 47839
  soils 78583 78924 43984*
  surpluses 56936
  Taiwan 22291* 25598*
  varieties 78047
  waste 75806*
  weed control 43823 52215
  yields 89758 78054*
Pineus coloradensis 5220
Pineus similis 64482
Pineus strobi 5220
Pinguicula 114 24674*
Pinguicula hirtiflora 50860*
Pinguicula vulgaris 76933
Pinifolic acid 77779
Piniphila n g 64611*
Pinitol 74927
Pink bollworm SEE Pectinophora gossypiella
Pink rib
  lettuce 39755
Pinkeye SEE Infectious keratitis
Pinks SEE Dianthus
Pinnaspis 82562
Pinobius 64339*
Pinosia 41317*
Pinosylvin 19323
Pinstrup P P 67181*

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Item

Pinus 19045*
abnormalities 44832* 87344*
age 44825* 52464* 68205* 90113*
anatomy and physiology 10673 34218 42469 44845 51078 51206 51213 60281 64531 11066* 25169* 42672* 60153*
associations 18632 18639 19193
bark 44675* 62215* 90315*
biochemistry 34252 42936 51532 60281 44825*
breeding 44845 53387 61895 79312* 79339*
brush control 2751
Caucasus 90210*
clear cutting 18994* 44838* 71225*
cones 35820* 44825* 44832* 71276* 81906* 90193*
collecting 35785 26866* 26931* 26933* 44860*
drying 2717* 2733* 18992*
pests 64091
storage 18970*
yields 18932*
conferences and congresses 53282
control 2674
coppice 18856* 19028* 20926*
crowns 53414 19027* 53232* 71225* 79295* 90267*
culture
Africa 35730
Canada 18935
Germany 18856* 71113*
Hungary 18866* 35743*
India 44710
Italy 71088*
Lake States 33326
Louisiana 26801
Maryland 2681
New Jersey 2681
Ohio 44610
Poland 53310*
Puerto Rico 71234
Southeastern States 53297
Southern States 53179 53183 53187 53282
USSR 18849* 18864* 44738* 53427* 61793* 79217* 79418* 90116*
Yugoslavia 71116*
cutting systems 53298 53299 2661* 44820* 64085* 90113*
disease resistance 53387 79312* 86953*
diseases 33087* 58902*
ecology 87181*
Czechoslovakia 42155*
Germany
East Germany 59254* 68169*
Latvia 24537*
Nicaragua 59249
USSR 678* 59337* 68205* 71158* 79217* 79234* 87208* 87210* 87230*
fertilizers 35773 71150* 71551*
Germany 18879* 44780*
Maine 53345
USSR 19003* 61878*
Yugoslavia 79254*
Florida 44752
fungus diseases 437 8514* 16032* 45132*
Australia 24233
control 506 16003 33326 59079 67937 86920* 86958*

Pinus--Cont
fungus diseases--cont
Denmark 8286
Finland 8286
France 77185*
Great Britain 86863
Hungary 86953*
Latvia 79312*
Norway 8286
Ohio 33233
Poland 16025* 67854*
Southern States 50327
Sweden 8286
USSR 488* 50374* 59012* 86828*
Yugoslavia 41833* 67839*
genetics 53376 61927 44835*
germination 2722* 44825* 71269* 71276* 79347*
growth 26851 71041 2722* 18800* 18803* 18804* 18861* 26822* 44667* 44812* 53360* 59674* 60153* 61779* 61853* 61878* 71094* 71125* 71225* 71278* 79227* 79254* 79295* 90113*
hardiness 78302*
harvesting 10902* 44926* 90318*
history 61675*
hybrids 10741 61895
improvement cutting 45156*
injuries 53435 44868* 61954* 90267*
introduction 10797
litter 90245 43995* 70347*
measurement 44674 53248 71041 90082 10633* 18800* 18803* 18804* 26795* 35697* 35705* 44666* 44667* 44675* 44682* 44694* 53232* 61779* 61789* 61793* 79168* 79179*
Mexico 87 8237 23962
morphology 10741 68224 16402* 44812* 59674* 77366* 77368*
mortality 18935 79376 18837* 33087*
nematodes 24474—24476
nutritional deficiencies 10795 35773
pest control 81893
Argentina 20905*
biological 4759 81874
Bulgaria 20924*
China 37810*
Germany 64081*
East Germany 33087* 37817* 37830* 37831*
Italy 29167*
New Jersey 73381 73382
Pacific Northwest 73366
Spain 81915*
USSR 20925* 92249*
Washington 73364
pest resistance 20886*
pests 4758 20898 64085*
Austria 20912*
Canada 20916 64341 82322 82323 82714
China 38444*
Czechoslovakia 5302*
ecology 37803 38464 64490 20924* 73836*
Germany
East Germany 64103*
Guatemala 92569* 92617*
habits and behavior 38500 12971*
Hungary 73379*
Japan 29390* 92251*
Maine 81875
Mexico 20916
outbreaks 64105* 73399*

Pinus--Cont
pests--cont
Poland 12625* 20890* 47162*
reviews 12631 73736
Southern States 29700
Spain 81906* 81915* 82657* 82776*
surveys 64102*
USSR 20886* 20926*
Western States 20880 20916
Yugoslavia 73368*
planting 53360* 53369* 71252*
Canada 35797
equipment 35810
Southern States 2751 53399 53404
Texas 53210
USSR 18970* 19002* 26901* 44926* 61920* 71272* 79292* 90221
Yugoslavia 79285*
pollen 53418 71266 71271 24609* 68292*
pollination 79280*
propagation 2720* 35817* 44812* 53408* 90235*
pruning 2669 27169 53340*
pulpwood 11027 53179 71014 71527 79561 79567 90424 19267* 36046* 90423*
regeneration cutting 44789
release 53315
Minnesota 61861
Mississippi 26851
New Hampshire 35769
Southern States 53344
Tennessee 18883
seed tree cutting 26908*
seedlings 10795 50327 51206 71234 88049 90245 26850* 53360* 53369* 61238* 71225* 71252* 79295* 86953*
seeds 16003 26908* 79280*
certified 35785
Germany 71279*
grading and standardization 53427*
moisture 10783
pest control 10806
pests 64091
properties 19027*
quality 79339*
Rumania 26887*
Southern States 61964
treatment 10783 18944 71269* 86920*
USSR 18986*
viability 1106
yields 18950*
sites 53429 62122*
Germany
East Germany 18788*
Louisiana 53281
USSR 19002* 19004*
size 53183 61853*
soils 43995* 44784* 52464* 58902* 61238* 70347* 79227*
Appalachian Mountains 10656
Australia 10673 79376
Latvia 64102*
Louisiana 53281
Poland 18833*
USSR 16402* 18837* 18903* 44028* 44738* 52565* 68205* 70177* 71125* 71158* 78302* 78303* 78322* 78511* 78940* 79234* 79246* 79292* 89604*
South Carolina 44773

Pinus--Cont
Southeastern States 18723 35657
taxonomy 87 68292*
Tropics 51213
turpentining 2952 79579 2953* 2954* 2956* 11065* 11066* 27159* 45096* 61796* 62178* 71551* 71553* 90438*
Bulgaria 36096*
Latvia 11069* 27152* 27153*
USSR 19291* 27154* 71544* 71549*
underplanting 10794
USSR 2743* 35684* 61732* 61998* 70953* 79338* 90050* 90183* 90230* 90231* 90237*
varieties 9795 10657* 71278*
weed control 19002* 44813* 79238*
wildlife relations 18918
wood 2986 10959 10998 19087 19157 19193 19194 19203 19220 26801 27095 27202 35994 36137 44971 44994 44995 53183 53738 62072 62213 62246 71412 71514 71515 71562 90330 2842* 2850* 2858* 10598* 12619* 19267* 27162* 35908* 35956* 36046* 45041* 45132* 45143* 45156* 45166* 61796* 62122* 62137* 62215* 71272* 71437* 71550* 79621* 90355* 90467* 90470* 90475* 90481* 90488* 90490*
yields 18788* 44721* 44784* 61793* 79168* 79234*
Pinus aristata 8171
Pinus ayacahuite 17483
Pinus banksiana
anatomy and physiology 1056 1133 37813
Canada 53379
cones 2729
crowns 10811
culture 53309
fungus diseases 24223
genetics 35830
germination 79279
hardiness 35830
Illinois 23978
Michigan 77301
morphology 33715
New Hampshire 15713
pest control 37798 81910
pest resistance 92225
pests 20899 29690 38299 92225
Canada 21119 37813 82436
Minnesota 73360
Wisconsin 37797
planting 2702 71183
pruning 44783
pulpwood 2908 36074 79545
seedlings 1056 71183
seeds 18928 53384
soils 53300
thinning 2671
Pinus cembra 10735* 26874*
Pinus cembra sibirica 19023* 26857* 44823*
Pinus clausa 71521
Pinus contorta
abnormalities 10684
culture 61849
fungus diseases 8420 55582
genetics 35830

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Item

Pinus contorta--Cont
growth 4749 79144 79202
hardiness 35830
harvesting 79441
hybrids 18947 35830
measurement 79144 79147 79202
morphology 33592
pest control 73402 92243
pests 4749 10775 20906 55582 46647*
plant parasites 10684 35766
planting 10775 79283
pollen 10718
propagation 2727
pruning 35766
seeds 35825
sites 79202
soils 35722
wood 15855 20906 27067 45088 45141*
Pinus contorta latifolia SEE Pinus contorta
Pinus densiflora
anatomy and physiology 77554*
bark 71591* 90457*
cones 10730*
fungus diseases 16047*
germination 53412*
measurement 18822* 53233*
morphology 8728* 77373*
pollen 1267
pollination 53380*
pulpwood 2851
seeds 35821 79298*
soils 10093* 12757*
thinning 18822* 79259*
wood 2972* 53731* 62191* 71492* 79625*
Pinus echinata
clear cutting 18834
coppice 44830
fungus diseases 415 8554 50278 50430
genetics 90195
growth 26830 71170
injuries 44830
male sterile 79276
measurement 35702 53224 53227 70156
pruning 2676
pulpwood 62158
release cutting 2741 18834
seed-tree cutting 53407
seedlings 2705 71170
sites 71207 90091
soils 8554
wood 19336 53223 90195
yields 2705 62158
Pinus edulis 24377
Pinus elliottii
anatomy and physiology 53739
bark 18809
biochemistry 35824
breeding 53417 61880 61909
brush control 18888
cones 19035 64091
culture 10699 44753 79198*
fertilizers 2687 53428 71157
fungus diseases 41928 61909 86761
genetics 18930 61934 61956 90242
germination 71186
growth 2611 10699 53256 71231 90207
hybrids 61909
injuries 2718
introduction 18888 71253
morphology 59494
pest control 64091
planting 2749 18960 71231 90207

Item

Pinus elliottii--Cont
pollen 61884
propagation 35794 35824
release 90159
seedlings 2718 79321 53432* 71293*
seeds 53377 64091 71186 86761
soils 71157
Southeastern States 79614
thinning 53327
turpentining 2951 18960 19292
underplanting 71253
wood 18960 53739 79614 90242
Pinus elliottii elliottii 396 44826 53325
Pinus griffithi 67784
Pinus halepensis 50766 10653* 11061* 44805*
Pinus heldreichi 68149*
Pinus heldreichi leucodermis 87580*
Pinus insularis 10759 50073
Pinus jeffreyi 2643 24377 33502 44778
Pinus khasya 50073
Pinus lambertiana 8472 19031 33294
Pinus laricio SEE Pinus nigra poiretiana
Pinus luchuensis 26783
Pinus maritima SEE Pinus pinaster
Pinus massoniana 26783
Pinus merkusi 24001 42277*
Pinus monticola 8496 24283 53362 67784 67940 79605
Pinus mughus SEE Pinus mugo mughus
Pinus mugo 87158*
Pinus mugo mughus 24527
Pinus muricata 24294 79290
Pinus murrayana SEE Pinus contorta
Pinus nigra
anatomy and physiology 24184
Austria 90121*
bark 27133
biochemistry 9314*
breeding 79286*
culture 61838*
fertilizers 18942*
genetics 71193
growth 71043*
measurement 35708*
morphology 42212*
nematodes 24184
pests 12668*
propagation 10765*
seedlings 18942* 79351*
seeds 24184 44858 71193
turpentining 11068* 27151* 79286*
wood 79617
Yugoslavia 8671* 79340*
Pinus nigra austriaca SEE Pinus nigra
Pinus nigra calabrica 18840
Pinus nigra caramanica 87346*
Pinus nigra poiretiana 24565* 41630* 67818*
Pinus palustris
Alabama 61785
biochemistry 44826
culture 18893 44753
growth 53414 71170
injuries 2718
Louisiana 2787
measurement 61805
pest control 64091
pollination 61884
pulpwood 71521
seedlings 2718 53414 61952 71170
seeds 2734
turpentining 2951 19292

Item

Pinus patula 403 90375
Pinus peuce 10768*
Pinus pinaster
anatomy and physiology 59832*
biochemistry 51468*
fertilizers 18885 35764* 44769*
France 53280*
fungus diseases 33214*
growth 2648*
measurement 10640*
pests 81872*
propagation 79332*
reviews 35741 53290
seeds 44805* 71196*
soils 2648* 10652*
turpentining 53679
Pinus pinea 25201* 38517* 79577* 81906*
Pinus pithyusa 59225*
Pinus ponderosa
age 2643
anatomy and physiology 21 51390 82346
bark 27133
clear cutting 2707
culture 44663
cutting systems 18811
diseases 58880
ecology 677 33502
felling 10685
fungus diseases 24377 59053
genetics 79349
germination 35805
growth 2643 10667 18811 18812
injuries 2672 10706 19030 19031
measurement 18812 44688 44690 53244
mortality 2643 35805
partial cutting 10667
pest resistance 82346
pests 12654 37815 55596 55723
plant parasites 1933 10685 35767 44778 53321 53338 53342
planting 71275
pruning 35767
pulpwood 44688
seedlings 10706 44826
seeds 2707 35805 61901
soils 2035 10655
weed control 2672
wood 19207 27040 27068 53621 53707
Pinus ponderosa ponderosa 24184
Pinus ponderosa scopulorum SEE Pinus ponderosa ponderosa
Pinus pumila 31417* 58716*
Pinus radiata
abnormalities 50723
anatomy and physiology 11100 51227 51228
bark 27133
biochemistry 2932
breeding 26855 71194
Colombia 71112*
costs and returns 79132
culture 26807 27129 44736
diseases 58860
ecology 42130 46655
fertilizers 18885 44755
fungus diseases 403 24233 24247 24294
growth 44755
measurement 2689
morphology 50723*
nutritional deficiencies 18885 26840
pests 4775 12651 46655
planting 26940
pollination 10764
pruning 2689
pulpwood 2932 27129

Item

Pinus radiata--Cont
seedlings 26927
seeds 44827 79290
sites 10676 44755
soils 18885 89685
thinning 79132
Tropics 50723*
wildlife relations 26940 26945
wood 2827 11017 11100 19317 19334 26807 26855 27055 53577 53628 79477 79620 90344
Pinus resinosa
abnormalities 2692
age 35804 73394
anatomy and physiology 16534 42245 51103 77736
costs and returns 35676
culture 10608*
ecology 8648
fungus diseases 12598
genetics 71201
germination 35829
growth 26772 26825 35781
injuries 19039 73394
measurement 2682
pest control 12598 12626
pests 12628 29153 37805 64531 73394
pollination 71201
pruning 2692 35757 44783
seedlings 2759 35804
seeds 12598 35781 35829
soils 53300
thinning 2682 19039 26825 44783
weed control 2759 35765
wood 4765 19323 44783 45089 71416 2929*
yields 26825
Pinus roxburghi 19298 44793 45099 53680 77406
Pinus sabiniana 53341 90166
Pinus sibirica 53307* 53389* 71227* 90146*
Pinus silvestris SEE Pinus sylvestris
Pinus strobus
anatomy and physiology 16534 29166 50964 71273 24820*
biochemistry 25205 34338 60352
cones 71208
culture 79186 71079*
disease resistance 67784 67743*
diseases 8367 41897 59054
fertilizers 35807*
fungus diseases 86753 86885*
growth 10659 24820*
injuries 10800
measurement 18802* 79158*
Michigan 10587
mortality 2699
pest control 4748 12629
pest resistance 73369 67743*
pests 29166
pollen 61908*
propagation 2699 8367 79348*
pruning
reviews 53319
release 18878
seedlings 90217
seeds 44850 71209 90211
sites 79303
spraying and dusting 18878
wood 36133 45089 62091 71416 79502 79611
Pinus sylvestris
abnormalities 24573* 87346*

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Item

Pinus sylvestris--Cont
anatomy and physiology
16561 16563 33837
42898 61949 79599
90191 8771* 9102*
18990* 24856* 24993*
34193* 68291* 71237*
bark 19329*
biochemistry 77779
breeding 44810*
cones 10782 44847 44808*
44818* 61888* 71248*
77807*
crowns 8771* 68291*
culture 10788* 44810* 79204*
cytology 33693
ecology 26893 688*
8669* 87309*
Estonia 15779*
fertilizers 18942* 71168*
90177*
fungus diseases 67864
16041* 16042* 33199*
germination 10762 24371
61900 2725*
growth 26781* 44795* 61811*
61935* 71075* 71173*
71259* 79153* 90107*
measurement 18831 18823*
26781* 26784* 35708*
44661* 44702* 79153*
morphology 68390 44795*
59486* 87309*
pest control 12626
pests 64531 37992* 38425*
64683* 73398*
planting 10750* 26864*
27157* 44795* 61935*
79330*
Poland 10657*
pollen 10718
propagation 90191 27157*
35814* 61890* 61936*
71173*
pruning 35757 35814*
44763* 71237*
pulpwood 44962*
research
statistical methods 44847
Scotland 10732
seedlings 26893 33837
79304 16041* 18942*
18990* 26864* 61888*
71259* 79345* 79351*
seeds 10782 24371 61898
10788* 18968* 44818*
61881* 61888* 61904*
61938* 61949* 71173*
71248* 79305*
sites 26784*
soils 16563 44795* 61811*
spraying and dusting 33199*
taxonomy 67436
thinning 10700*
turpentining 62181 19299*
19300* 27157*
USSR 32835*
varieties 61939 35787*
44810*
weed control 18889*
wood 12624 19179 19326
10949* 35946* 62226*
62228* 62245* 71617*
yields 18789*
Pinus sylvestris lapponica 8745*

Pinus taeda
age 10731
anatomy and physiology
9190 10748 10779
35768 50975 53739
Australia 71253
biochemistry 35824 44826
clear cutting 18834
cones 61959
crowns 2700
culture 53334 61917
fertilizers 18902 35768
53334 53428

Item

Pinus taeda--Cont
fungus diseases 8554 33340
86761
genetics 18934 79357
germination 71186
growth 2611 26830 35720
46638 53256 71170
injuries 2718
male sterile 79276
measurement 2628 35701
53236
morphology 61959
mortality 2755 18952
53396 71289
nutritional deficiencies
35838 44717
pests 37806 46638
planting 10731 10752
18834 26909 26929
propagation 35824
pruning 2676 18877
pulpwood 62158
release 18834
seed-tree cutting 53395
seedlings 2700 2718
2755 9190 10748
10779 18934 35838
44826 50975 53396
61917 71170 71178
71289 79321
seeds 10714 10749 18944
44850 61959 61970
71186 71277 86761
sites 35701 35720 53294
61857
soils 8554 35768 44717
61857
Southern States 61959
thinning 53328
underplanting 18952 71253
wildlife relations 19034
26909 53486
wood 10945 18934 19336
53223 53328 53704
53739 62254 71039
79357
yields 62158 71042
Pinus thunbergii 8728* 10729*
35795* 77644* 79297*
79298*
Pinus virginiana
culture 79213
germination 26913
Illinois 23978
injuries 44867
nutritional deficiencies
35838
pests 4761 38302
propagation 44842
regeneration cutting 26914
sites 90091
soils 70395
yields 26789
Pinus washoensis 33502
Pinworms 11837
Piona nodata nodata 82120*
Pipecolic acid 34264 39636
Piper 67527
Piper betle 8623 33672
Piper longum 33672 68215
Piper magnificum 8248
Piper nigrum
anatomy and physiology
16521*
culture 70151 89429 78246*
78255*
diseases 16144 41796
86950
India 31074
morphology 16332 33672
planting 17849
Piper ornatum 33672
Piperaceae 67527
Piperazine
therapeutic use
dogs 63060 91187
fur-bearing animals
72374*
goats 81104*

Item

Piperazine--Cont
therapeutic use--cont
horses 54620 28125*
laboratory animals 72448*
sheep 81104*
swine 46259*
Piperazine compounds 63625
11987*
Piperazine sulfate 63107*
63294*
Piperidines 73186*
Piperitone 84862
Piperonyl butoxide 4437
4721 4725 4735
63713 63724 63790
81387 4515* 37787*
81414* 81514*
Pipes 2467 5909 78797
10373* 21764* 52902*
52904* 70717* 70797*
89842* 89895*
bamboo 78789
concrete 44451 52933
61515 26517* 44444*
metal 89869 2802*
plastic 2433 13171
29837 30104 74324
10344* 21721* 26516*
26583* 44406* 44431*
65049*
Pipiza 92438*
Piptocephalis virginiana 9146
Piptocephalis zenophila 9146
Piptoporus 243*
Piricauda 86549*
Piricularia 86922
Piricularia grisea 75179
86851
Piricularia musae 58794
Piricularia oryzae 433 1407
41835 42366 43028
50387 59074 67833
67836 68441 77151
88165 441* 442*
33228* 33242* 41907*
43089* 43090* 53085*
58920* 58930* 59001*
67791* 77138* 77188*
77400* 77725* 86727*
Piricularin 77188*
Pirizanodes n g 47130*
Piroplasma SEE Babesia
Piroplasmosis 19590*
asses 80253*
cattle 63850 62725* 80253*
91052*
Ceylon 27694
control 73168
diagnosis 54365
Estonia 36664*
immunization 19929
62928 19930*
transmission 73168
treatment 72235 80356
dogs 54510 36823* 54514*
horses 3762*
ruminants 53863*
sheep 72235 37231* 63446*
swine 91883
SEE ALSO Tick fever
Pisatin 50292
Pisgah National Forest 61686
Pison 21317*
Pison spinolae 82593
Pissodes 81915*
Pissodes notatus 20925* 20926*
81872*
Pissodes pini 20926* 73621*
Pissodes piniphilus 20926*
Pissodes strobi 4748 29166
73360 73369
Pissodes validirostris 81906*
Pistachio (tree) SEE Pistacia
Pistachios 5512
Pistacia 9684 55518 37756*
43452* 88981* 92196*
Pistacia chinensis 9727
Pistacia vera 34690 61892*
90212*

Item

Pistia stratiotes 34803*
Pistius 82201
Pisum SEE Peas
Pit rot
potatoes 24246
Pitcairnia 176 8250 32858
Pitch canker
Pinus radiata 24247
Pithomyces chartarum 11855
11860 28492 33177
37268 54962 63496
68992 71839 72836
72861 72878 72879
81094 91677 91710
Pittosporum 23953*
Pittosporum glabratum 1798
Pittsburg Carnegie Institute
Hunt Botanical Library 8137
8138 8145 41305
67339
Pituitary body 45368*
asses 72402*
buffaloes 62908
cattle 19919 54284 62924
80351 54248*
coypus 80593*
dogs 28111 91228*
ducks 80787* 80891*
goats 4109
guinea pigs 54681
horses 28111
mice 54675
poultry 20248 20249 37023
rats 54676
sheep 63518
swine 12245* 46266* 50556*
63650*
Pituitary extract 81093
Pityocona 21366
Pityokteines curvidens 5046
Pityophthorus 12843
Pityrogramma 76988
Pityrogramma calomelanos
61005 16726*
Pityrosporum canis 3666*
Place names 64157*
Placenta 45355*
cattle 3557* 45672* 54267*
54446*
chinchillas 45813
coypus 54585
guinea pigs 3810 11847
rabbits 80943*
sheep 72856*
Placentoma 36932 36933
11689*
Placoaphis n g 12939
Placoaphis siphunculata 12939
Placosoma 77017
Placotettix taeniatifrons 82497
Plagiobothrys austinae 99
Plagiochila 67538
Plagiochilion mayebarae 67540*
Plagiognathus (Chlorillus)
n sgen 92500*
Plagiognathus (Zophocnemis)
n sgen 92500*
Plagiogyria adnata 42159*
Plagiolepis 55901*
Plagioprospherysa parvipalpis
12992
Plagiosippus n g 82421
Plague 81589 32181* 63849*
reviews 81605
Plains Cotton Cooperative
Association Lubbock Texas
6465

Planetree SEE Platanus
Planetree maple SEE Acer
pseudoplatanus
Planipennia 92655*
Plankton
anatomy and physiology
1286 9087 68725
81569 943* 9042*
34016* 68964* 87984*
Atlantic Ocean 86538*
Barents Sea 15843*
biochemistry 9228 42995
42996

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Item

Plankton--Cont
Canada 229
collecting and preserving 58526 15848* 49948* 86542*
culture 31645*
Czechoslovakia 58763*
Denmark 9087
dissemination 86545
East Africa 86533
ecology 50630 77306
Antarctic Region 33518*
Atlantic Ocean 33518*
Barents Sea 8706* 33529*
Black Sea area 68138*
Congo 87189*
India 42106
Iowa 33555
Israel 655
Italy 42135*
Japan 707*
Latvia 87223*
Netherlands 33561
Philippines 77316
Rumania 8691
statistical methods 676
Sweden 24548 77350
Taiwan 694
USSR 68100* 68175*
Germany 15834*
Gulf of Mexico 86545
Indian Ocean 58765*
Israel 24069
Kenya 15847
Malaya 15833
Netherlands 8131*
New Zealand 67557
Norway 15840 67565
Spitzbergen 41523*
Sweden 86546
taxonomy 58763*
USSR 15837* 67566* 67567* 67576*
United Arab Republic 15845
SEE ALSO Diatomaceae
Planning SEE Farm and home planning; Five-Year Plan; Green Plan; Policies and programs; Regional planning; Seven-Year Plan; Town and country planning; and UNDER Communities
Planococcus 21275
Planococcus citri SEE Pseudococcus citri
Planodema 92360 92348*
Plant alkaloids SEE Alkaloids, plants
Plant bugs SEE Miridae
Plant galls 5230 5272 5273 5274 21336 33420 41753 59763 68052 68545 73389 86755 92082 12900* 29268* 55867* 82101* 92458*
bibliographies 92450
Czechoslovakia 86983*
Estonia 16174*
Germany 55790*
East Germany 4870*
Great Britain 4757 38363
Illinois 29278
India 46590
Israel 55518
Mexico 29068*
Netherlands 5160*
reviews 21029*
Sweden 64269*
USSR 24455*
Plant growth regulators SEE Growth substances
Plant lice SEE Aphids
Plant Propagators Society 9564
Plant protection 33079 41683* 69139*
advisory services 64928* 86664*

Item

Plant protection--Cont
Austria 8327* 15876* 47737* 58906* 67694* 77030*
Bulgaria 41647 336*
Cameroun 19058*
conferences and congresses 15948* 41623*
costs 323 8327* 8392* 86622*
Czechoslovakia 67683*
equipment 15945*
Estonia 41653*
Europe 24128 86635* 86645*
France 314* 50192* 86677*
Germany 8356* 24175* 24182* 33051* 41610* 41639* 41688* 47737* 56228* 58837* 58861* 64930* 67742* 69140* 86612* 86632*
East Germany 33078* 33080* 38750* 77054* 86652*
Great Britain 24161 86669*
handbooks 4443*
history 15922* 67688* 77030*
Hungary 24129* 41656* 46345* 58825* 58905*
India 24165 55163
Italy 41604* 77037*
Japan 33086*
mechanization 86622*
Mediterranean area 24128
Mississippi 33100
Netherlands 42073*
Norway 8378*
Poland 15963* 33085* 41624* 41722* 87738*
research
statistical methods 41594*
reviews 58835*
Rumania 33110 315* 33035*
Spain 86599*
study and teaching 24170 8343* 67674*
Switzerland 67758*
Tropics 83167*
USSR 33130 58828 8363* 8379* 8408* 15891* 15958* 24163* 33098* 33108* 33121* 41591* 55613* 58864* 58883* 58908* 64927* 67668* 67749* 86663* 86667*
United Arab Republic 58852*
Yugoslavia 24140* 67727*
Plantago 9236* 15801* 16898*
Plantago cordata 8211
Plantago lanceolata 37845 43798 68623
Plantago major 43798
Plantago media 43798
Plantains 43393 57960
Plantations SEE ALSO Farms and farming, large-scale; and UNDER Rice; Sugarcane
Planteose 16898*
Planters' Association of Ceylon 47636
Planting bands and pots 9548 9731 9732 10734 16588 34746 35106 78019 78025 79278 89667 2306* 10766* 17283*
Great Britain 65020
Netherlands 1766*
Norway 9781*
USSR 56119 60495*
Planting equipment SEE kinds of equipment; and SUBHEAD planting, equipment UNDER names of plants
Planting media SEE Potting mixtures

Item

Planting tapes and mats 34933
Plants
abnormalities 12900* 44206* 42355* 76987* 82101*
reviews 8715*
acclimatization 8010 8878 50583 76825 87699 87927 32754* 34046* 42821* 50919* 60161* 87781*
Brazil 51255*
France 41374*
India 9381
Oklahoma 17148
Taiwan 34037*
USSR 25768* 69730* 90130*
allergenic 22 41263 73160 49952*
analysis and composition 1367 1385 2076 7202 9273 18232 21796 24832 30128 30146 34253 47644 47655 47671 48338 56340 56353 56361 65075 65076 65100 74403 74412 74426 74435 74436 77762 93029 1388* 1402* 9024* 9279* 13444* 42961* 43040* 47653* 47658* 47673* 60335* 69203* 75809* 83332* 83340* 83347* 83360* 83368* 87815* 89510*
anatomy 42 717— 847 8707— 8804 16273 16274—16407 16885 24549—24682 33579 33580—33752 42175 42176—42335 43962 50649—50830 59387 59581—59677 68208 68209—68415 77353 77354—77415 87235 87236—87379
bibliographies 33709
reviews 59643*
bacterial diseases 532 33353 33362 41943 50314 50439 50444 50447 50454 50459 67964 67977 86993 418* 8504* 8572* 33358* 41941* 41942* 50470* 59104* 77202*
control 523*
India 86978 86984
Japan 77047*
Kenya 86865
reviews 59106*
USSR 450*
biochemistry 1309— 1408 8640* 9220— 9320 16886—16984 25186 25187—25263 34245 34246—34340 42591 42932—43052 50241 51441—51581 59870* 60277—60367 67916 69080* 69164—69274 77756—77836 88097 88098—88253
reviews 87423 69264*
breeding 852 867 924 930 16409 16418 16419 16420 16446 16447 16448 16450 16451 16477 16492 24164 24687 24721 27209 33755 33812 42360 42378 42391 42402 42411 42433 49907 50833 50841 50846 51523 59744 59747 68426 68507 87419 87446 882* 8832* 24708* 24718*

Item

Plants--Cont
breeding--cont 33932* 42355* 42357* 50897* 50909* 59555* 59689* 68506* 68525* 87427* 87430* 87471*
China 11146
conferences and congresses 42435 24757*
Connecticut 24758
Europe 24756*
France 8849*
Germany 16481* 40569*
East Germany 86652*
Great Britain 42337 77416
Hungary 16412*
India 68514
Japan 24732*
Netherlands 59696 59728 60626 68470* 68471*
Nigeria 74445
North Carolina 42421
periodicals 24710
Poland 68498
research
statistical methods 33763 68473 68488 68502 911* 8835*
Sweden 883*
Tropics 16480
USSR 8827* 8850* 16414* 24763* 42395* 43096* 59658* 87409* 87440*
collecting and preserving 41282 76873 41268*
Argentina 67371
Australia 15665
Brazil 58517
California 23901
Canada 67358
Chile 32620
China 58555 67367 86374
Greece 67349
Himalayas 58555 67367 86374
India 67355
Libya 86361
New Guinea 32631
New Zealand 41252 41253 67308 86302
Tibet 58555 67367 86374
colloids 47633 77555
contamination 1162 37475 51031 51263 5999* 16871* 37505*
cytology 717— 847 873* 883* 919 8432* 8707— 8804 9269 16273—16407 24549 24550—24682 24802* 32711 33579—33752 33780 33851 34253 42175—42335 42431 49985 50649—50830 51358 59428* 59581 59582—59677 68208 68209—68415 77353 77354—77415 86098 87235—87379 87390 87435*
bibliographies 42338* 42339*
conferences and congresses 50722
reviews 8800 12733 87369 94844 42237* 59731* 69264*
deficiency diseases 1250* 16863* 51341*
disease resistance 333 15923 24687 50208 50841 51331 58998 87458 33063* 41616* 42865* 50897* 86798* 87430*

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Item

Plants--Cont
disease resistance--cont
conferences and congresses 86644*
diseases 310 362 41714 50241 8352* 8389* 24174* 87798*
Angola 8401*
Argentina 15895*
Arizona 41586
Australia 8376 33274 67725
Bulgaria 86675*
Cambodia 77080
Canada 317 77039
Comoro Islands 77075*
conferences and congresses 93182
control 337 24148 32517 33058 41674 50160 50219 50229 67755 74490 77059 4443* 15893* 24166* 33067* 86601* 86606* 86719*
Antilles 41593*
Belgium 32487*
biological 24132 33072 36351 15887* 15963* 33054* 86652*
Bulgaria 86665*
Connecticut 24123
Czechoslovakia 67745*
Florida 8331 58926
France 24118* 33113* 50159* 50232*
French Guiana 41593*
Germany 8361*
Israel 356
Italy 67695*
Mauritius 349*
Pacific area 32510
Rumania 92912*
Sudan 24173*
Sweden 67728*
Switzerland 58893*
Texas 41711
Tropics 8407
USSR 348* 8328* 15874* 15914* 41625* 67735* 86614* 86690*
Denmark 15888* 33129*
forecasting 24332 41650 41862 67685* 70523* 86239* 86240*
Australia 41800
Canada 33309 33310
France 50192*
Germany 41776*
East Germany 86676*
Great Britain 41759
Hungary 380*
Israel 461
New Jersey 77123
Norway 86794*
Poland 24160* 41678* 86694* 86697*
reviews 86670*
Sweden 77155*
USSR 15988 16041* 33105* 50203* 58952* 67723* 67762*
France 50193*
Ghana 86640
India 360
Iowa 24185
Italy 33125*
Kansas 41635 41701
Kentucky 67703
Kenya 41631
Louisiana 50231
Malagasy Republic 77075*
Mexico 33119*
Netherlands 8375*
nomenclature 50209*
Oregon 41633
Panama 8336*
Poland 24160* 86697*

Item

Plants--Cont
diseases--cont
research
statistical methods 33267 406*
Reunion 77075*
reviews 77630 58856*
Rhodesia and Nyasaland 85777
Rumania 24115*
Scotland 41618
seed-borne 322 535 582 8402 16068 16151 16845 24122 24218 24350 24371 24393 33064 33374 41666 41670 41710 41989 41996 50291 50507 50520 58955 67766 67867 68003 68011 77165 77648 78427 86811 422* 450* 33336* 33424* 41709* 42007* 59019* 67882* 86630* 86931*
reviews 33053
soil-borne 8498 8506 8543 8550 8552 8560 15934 16028 24197 24240 24358 24402 33159 33215 33251 34152 41755 41927 41980 44494 50155 50325 50350 50402 50423 50481 50484 50486 58943 59042 67684 67828 67933 67954 67996 68042 68046 77223 77242 77244 77255 86654 87003 87126 422* 566* 581* 2505* 8571* 15954* 16163* 24287* 41832* 41886* 77047* 79950* 86943* 87062*
USSR 15954* 50802*
dissemination 23864 23895 49930* 76845*
dormancy 1108 1112 9143 9214 24910 24930 25114 33826 33997 34224 34237 42475 42622 42631 43662 51378 51387 51405 59816 68592 68944 77658 9052* 9130* 11061* 14296* 14297* 16672* 25062* 25181* 33658* 33856* 34178* 34244* 39819* 42490* 42586* 42613* 42752* 42804* 50281* 58912* 59641* 59908* 60058* 60105* 60113* 60242* 68229* 68413* 68935* 69014* 69153* 87495* 87536* 87582* 87586* 87841* 87895* 88047* 88052*
reviews 87774*
drought resistance 51132 51268 59862 59918 60044 60070 60197 60204 77471 77718 16730* 33932* 59788* 59925* 77580*
reviews 60087
dwarf 16874 69878
ecology 677 699 2200 16221 16237 16258 24525 24547 33459 33464 33468 33469 33483 33496 33501 33504 33506 33540 33550 33551 33574 33964 42150 45382 50569 50576 50583 50639 50701 50865

Item

Plants--Cont
ecology--cont
59246 59253 59271 59321 68091 77305 77314 77317 86130 87153 87187 87225 87231 650* 16230* 16246* 16264* 16801* 33478* 33553* 33559* 42112* 42748* 50643* 51353* 59308* 61054* 68087* 68207* 68940* 76870* 87190* 87207*
Aden Protectorate 33513
Africa 57851 41340* 77323*
Amazon Basin 42165
Antilles 87173
Arctic Region 16266 59333 87147 68088*
Argentina 50578*
Arizona 16649 87203
Atlantic area 33568*
Australia 648 649 33557 33558 59231 59327 77303 77345 87226
Austria 24530
bibliographies 692
Brazil 87219 33462* 59247* 59309* 77343* 87209*
British Cameroons 8667
Bulgaria 33484* 68200*
California 50646 33487
Canada 207 66828 24522*
Caroline Islands 652
Carpathian Mountains 87216*
Chile 33508
China 68097*
Colorado 33530
conferences and congresses 50635*
Congo 50582*
Connecticut 24545 33537
Czechoslovakia 686* 16271* 24504* 24531* 24538* 33521* 76821* 76838* 76844* 76849* 76866* 76887* 76888*
desert areas 33466 59277 8680* 59233*
reviews 59849
East Africa 59261 68124
Ethiopia 8651
Europe 77320*
Finland 59268 68190 50594* 50610* 68120* 68128* 68129* 68132* 68152*
Florida 656 33500 50570
France 33491* 33510* 59250*
Gaspe Peninsula 26111
Germany 16209* 16225* 16247* 16256* 16257* 16263* 42098* 42139* 50637* 68194* 77327*
Ghana 87142
Great Britain 628 696 33461 33497 33571 59266 59313 87165
Greenland 76903
Himalayas 702
Hungary 50636* 87149* 87221*
Iceland 59278 59279
Idaho 59334
India 668 675 682 16251 33466 42114 42131
Indiana 665
Indochina 24543*
Iowa 50593 50645 59245
Iran 16207*
Ireland 33467

Item

Plants--Cont
ecology--cont
Israel 673 33507 68161
Italy 50627 60384 24499* 59289* 59335* 59345*
Ivory Coast 50606*
Japan 716 68127 68195 68197 659* 715* 33511* 33512* 33516* 42159* 77322* 77351*
bibliographies 77312* 77313*
Jura Mountains 50626*
Kansas 657 42129 50641
Laos 42169*
Latvia 662* 24540*
Malagasy Republic 50581* 50631*
Marshall Islands 644
Mediterranean area 33510* 77320*
Mexico 24495 50644
Micronesia 68203
Minnesota 8679 77304 77329
Missouri 59284
Missouri Basin 50642
Montana 77324
Morocco 77321*
mountain areas 24539 33477 33545 87147 87178 68133*
Bulgaria 68148*
Czechoslovakia 8664* 76843* 76881*
Poland 24527
Mozambique 59293 77335
Near East 59346
Netherlands 8658 8659 8701 695* 8677* 59267* 59286* 59292*
Nevada 16261 50632
New Jersey 87218
New York 33465
New Zealand 33473 33479 42094 42115 42130 42156
Nigeria 8675 33477 77319
nomenclature 59240*
North Africa 68161 23885* 50634*
North Carolina 87151
Northern Ireland 77309
Norway 59322
Oregon 59252
Peru 24507*
Poland 8672 24519* 33475* 33543* 38054* 42101* 50619* 59257* 59270* 59282* 59343* 68110* 68189* 87234*
Portugal 635*
Presque Isle 59281
Republic of South Africa 673 33460 33547
Rhodesia and Nyasaland 68183 87159
Rumania 68170* 68171*
Sardinia 23911* 24502*
Scotland 32670 33492 33545
Southeastern States 67313
Southwestern States 8681
Spain 24509 68104 76904* 77580*
statistical methods 671 33499 33514 33533 33539 33572 33573 33575 50588 50595 59228 59265 77306 77331 659* 660* 33512* 59269* 59291* 68102*
study and teaching 651 50647

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Item

Plants--Cont
ecology--cont
Sudan 24511 8670*
Sweden 59314 77340
669* 33554* 42133*
59259* 59272* 59290*
Switzerland 68113* 68151*
77334*
Taiwan 33509*
Tatra Mountains 8676*
Tennessee 50579
Texas 8650 8684
Tristan da Cunha 24544
Tropics 8647 50605*
Tunisia 50586 50604
50616 68114
Uganda 8653
USSR 42158 59273
68115 87194 706*
8680* 8686* 8695*
15701* 16198* 16208*
16217* 16218* 16226*
16232* 24493* 24508*
26093* 33457* 42109*
42121* 42167* 50615*
58605* 59235* 59241*
59264* 59304* 59307*
59331* 68090* 68092*
68094* 68096* 68107*
68108* 68125* 68126*
68131* 68136* 68153*
68166* 68179* 68180*
68188* 68196* 68225*
77332* 77333* 87137*
87152* 87160* 87175*
87196* 87197* 87214*
87229* 87955*
reviews 8687*
United Arab Republic
42087 68156*
Utah 77307
Vietnam 24494*
West Africa 87145
Wisconsin 16199
Wyoming 77324
Yugoslavia 16233* 87220*
embryos 425 757
828 8736 8761
8802 9030 16068
16302 16311 16361
16454 16843 24285
24563 25175 33647
33695 33733 33742
42267 50672 50742
50763 50771 50784
50789 50823 50852
51361 57176 59445
59533 59550 59619
60077 60264 60357
68277 68347 68483
69029 77558 77620
87330 87349 733*
734* 735* 763*
906* 8729* 8796*
8801* 12896* 16276*
16316* 16330* 24565*
24665* 24673* 24681*
24923* 25137* 33646*
33720* 33727* 33751*
34049* 42194* 42197*
42216* 42238* 42268*
42272* 42320* 42334*
50651* 50652* 50804*
59356* 59366* 59436*
59443* 59456* 59457*
59470* 59478* 59501*
59512* 59520* 59524*
59541* 59554* 59555*
59610* 59636* 59637*
59642* 59650* 59671*
59925* 60270* 68235*
68256* 68266* 68267*
68272* 68276* 68295*
68310* 68338* 68356*
68376* 68393* 68394*
68403* 68856* 68999*
69000* 77271* 77403*
87268* 87319* 87341*
87364* 87650* 88085*
transplanting 24749*
77417* 87465*

Item

Plants--Cont
enzymes 1336 1355
1363 8537 8717
8748 9221 9233
9261 9265 16518
16916 16917 16926
16944 21903 22424
34282 42935 42992
42993 50822 51056
51442 51453 51463
60241 60351 77760
77802 77809 88125
88195 1331* 16500*
25092* 25219* 33972*
34293* 42983* 83320*
88149* 88173* 88219*
evolution 15819 16400
16415 20995 23855
23882 24608 24697
32752 32771 32809
33551 33794 49905
49908 49961 49976
50034 50072 50147
50678 50701 50799
50846 58569 60192
67297 76927 76981
86301 86436 838
8158* 25318* 33670*
42318* 43120* 49959*
59440* 69176* 86298*
87799*
excretions 335 1021
1216 18071 24463
25147 33501 42631
44056 50551 52626
58554 68390 77551
86758 1217* 1262*
9139* 25101* 26884*
32651* 42615* 42672*
51049* 51389* 60112*
60150* 68039* 68734*
69242* 77481* 86943*
reviews 8956* 59813*
extracts 1219 1329
1406 9232 16622
25112 42241 48721
50986 51164 51478
51554 69252 77774
77796 88049 88189
1392* 8921* 16574*
16605* 42827* 47653*
67130* 67878* 69203*
79347*
fat and oil content 1165
1346 42624 68708
88107 48983*
flowering date 77681
fragrance 1369 1989
15755 17847 17848
25981 25982 43870
52065 52352 52353
52354 60340 69892
70140 77775 78253
88192 89427 69186*
freeze-drying 15662
freezing 38
fungus diseases 8518
16076 16845 19443
24218 41891 42548
50314 50325 50405
50406 58954 58955
59844 67916 77009
77181 86827 87591
418* 1395* 8432*
8504* 16072* 33181*
41813* 41815* 41832*
58991* 59030* 77170*
86798*
Afghanistan 262*
Brazil 33019*
Bulgaria 86592*
Canada 41855 50355
control 24312 24358
33204 41862 41866
50346 59057 67923
77094 50356* 58959*
58983* 59067* 86918*
Alabama 50257
Australia 86867

Item

Plants--Cont
fungus diseases--cont
control--cont
biological 58932
16172* 33281* 41859*
81759*
Canada 33252
Germany
East Germany
41871*
Great Britain 16082
Mauritius 459
Netherlands 58931*
86942*
Pennsylvania 465
16051
Poland 41762*
Sicily 86919*
USSR 24284* 67921*
Germany 16026*
Ghana 77016
India 449 8538 8730
41527 41576 58766
Israel 77086
Italy 77148*
Japan 77047*
Kenya 86865
Mauritius 58971
New Zealand 24229
Republic of South Africa
510
reviews 58984* 59017*
59078*
USSR 450* 8447*
24271* 86548*
Virginia 67877
Wisconsin 41548
genetics 848—941 7977
8805—8851 16408
16409—16496 24578
24683—24767 33753
33754—33818 42336
42337—42450 43096*
46763* 50001 50831
50832—50913 59555*
59658* 59678—59747
68416—68525 76918
77416—77461 87380
87381—87480
bibliographies 42338*
42339*
reviews 94831 42439*
59698* 59731* 77444*
87403*
statistical methods 880
8823 8843 16410
16493 33787 33789
33800 42445 50903
68488 87411 87424
911* 59707*
geography 15641 15722
23930 50010 50016
50785 76829 86395
15743* 16222* 23932*
49984* 68087* 76839*
76840* 76860* 76902*
78467*
Africa 49992 8185*
41328* 76909*
Arctic Region 49994
Austria 86396* 86402*
Brazil 58598*
Burma 86404
Canada 8175 41332
Chad 86445*
Czechoslovakia 76844*
76849* 76863* 76866*
76875* 76877* 76884*
76887*
bibliographies 32709
Denmark 23922*
Eastern Hemisphere
15814*
Europe 86403*
Finland 67390 23924*
68132*
Germany 79* 16263*
42139*
Greenland 76903 76916*
Hungary 23926*

Item

Plants--Cont
geography--cont
India 86404
Israel 50011
Italy 60384 67380*
Jordan 50011
Latin America 8185*
Luxembourg 41333*
Malaya 15836
Mauritius 50005
Mediterranean area
86403*
Middle Western States
86399
New England States
76910
Nicaragua 59249
North America 58609*
North Carolina 32697
58576
Ohio 32699*
Pamir 15685*
Paraguay 49998*
Peru 32639*
Poland 32708 32718
41291* 67393*
Portugal 23919* 32700*
reviews 58582* 67391*
Sardinia 23911*
Southeastern States
bibliographies 67313
study and teaching 50647
USSR 23929 86394
15697* 58605* 58609*
67392* 67394*
West Virginia 8186
hardiness 361 1139
1306 41270 60011
60101 60244 25095*
42689* 60225* 60232*
67763*
hybrids 867 924 8244
16418 16478 27209
33755 50672 50873
24763* 68506* 87471*
87575*
conferences and congresses 24757*
research
statistical methods
59699
reviews 33761
hydrogen-ion concentration
33952 42665 51024
77480 88051 50322
68886*
identification 13 17215
38527 41396 50009
illustrations 8124 8243
32621 49919 76834
86500
in folklore 67294 58544*
in literature 53116
in philately 8132
indicator 205 711 8702
50631* 87162*
Germany 8662*
Morocco 50596*
Northern Ireland 77309
Tropics 50621*
USSR 16197* 59238*
59276* 70953* 87198*
injuries 9212 15951 16748
16783 25093 41681
42269 43777 50523
59927 86626 87267
87608 358* 8344*
24145* 58882* 67670*
67763* 86702* 86704*
Arizona 77055
Brazil 67722*
Italy 50221*
New Jersey 86671
Pennsylvania 58817
USSR 28946*
Utah 41602
introduction 63 15654
49907 58493 58567
69879 73064 76832
76873 41307* 58511*
76854*

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Item

Plants--Cont
introduction--cont
Arkansas 69491
Australia 51744
Bulgaria 69909* 88857*
California 32692
China 23906
France 88993*
Great Britain 58555 41286*
India 34440
Indonesia 76894
Israel 33577
Italy 49986*
Latvia 26004*
Massachusetts 67320
Morocco 77943*
Poland 82514*
Somali Republic 78094*
Southern States 23876
Thailand 78029*
USSR 15679 58565 9740* 23877* 25741* 26835* 41243* 42299* 44727* 49930* 55484* 58532* 59762* 59982* 60232* 60442* 60563* 60744* 60791* 60796* 60840* 67295* 67357* 67450* 68541* 68796* 69778* 69858* 69885* 69890* 69891* 70153* 86341* 86342* 88086* 89044*
Yugoslavia 88388*
labeling 1436 23881
male-sterile 889
metabolism 485 512 1032 1054 1159 1365 1376 8410 8544 8601 8858 9073 9109 9166 9239 9264 16505 16573 16597 16624 16638 16688 16738 16833 16866 16868 16872 16974 25113 25140 25260 33494 33940 34023 34173 34197 34297 42548 42581 42624 42706 42766 42833 42844 42941 42965 43026 50429 50674 51005 51015 51098 51154 51216 51223 51229 51230 51236 51244 51323 51325 51331 51346 51360 51574 55193 59821 59960 59973 60053 60081 60116 60202 60241 60259 60365 68615 68640 68641 68708 68980 69059 69271 77478 77596 77721 77729 77730 77749 77786 77830 81719 87591 87698 87704 87847 87905 87996 88074 88129 1033* 1034* 1037* 1109* 1218* 1289* 1573* 9067* 9096* 12924* 16027* 16705* 16823* 16853* 16875* 24861* 25052* 25194* 25228* 33833* 33869* 33877* 33918* 33920* 33943* 34062* 34166* 34213* 33833* 34234* 42456* 42589* 42724* 42742* 42761* 42909* 42920* 48095* 50948* 50998* 51162* 51272* 51300* 51510* 59957* 60128* 60210* 65301* 67917* 68651* 68735* 68764* 68792* 68806* 68901*

Item

Plants--Cont
metabolism--cont
68936* 68937* 69091* 69104* 69121* 69162* 77249* 77748* 77824* 87503* 87635* 87672* 87705* 87712* 87720* 87751* 87752* 87961* 87974*
reviews 77834 59806* 60154*
mimicry 34709
morphology 717—847 8707—8804 9029* 15624 16273—16407 24549—24682 33550 33579—33752 42175 42176—42335 50649 50650—50830 51247* 51360 59363* 59367* 59390* 59414* 59415* 59419* 59424* 59428* 59441* 59452* 59464* 59470* 59472* 59484* 59490*—59492* 59546* 59547* 59548* 59572* 59580—59677 60197 68208—68415 77353 77354—77415 87187 87225 87235—87379
conferences and congresses 59624*
reviews 59427* 59558* 59643*
names 8182 15621 15622 15695 67331 67338 67460 15703* 41304* 50024* 69803*
Brazil 58542*
Cape Verde Islands 23854*
Czechoslovakia 67305*
Great Britain 15682
Kansas 41241
Philippines 49969
USSR 41318* 41319*
nematode resistance 87112*
nematodes 608 624 8621 16184 16192 24489 42072 50537 50552 50555 50556 50563 59219 68052 68084 77270 87109 614* 8640* 16174* 16190* 24478* 42077* 50540* 68076*
Africa 77279*
Angola 626* 42083*
Argentina 77282*
Australia 622 24454
bibliographies 601 87118
Brazil 87124
Canada 33444 33445 87120*
Canary Islands 87117*
conferences and congresses 50558*
control 8630 33451 44496 59221 68063 77267 598* 8627* 42061* 42063* 50557* 77271* 77290* 79903* 87106*
Australia 24471
biological 8622 50545 68066 16172*
France 86608*
Germany 16170*
Italy 8637* 68077*
Pennsylvania 465* 16051*
USSR 50534* 68078*
Denmark 16176*
Hungary 87119*
India 24477 8638*
Iowa 87130
Israel 87127

Item

Plants--Cont
nematodes--cont
Italy 87132*
Japan 68086*
Libya 598*
Louisiana 604
Mexico 24460*
Netherlands 617 8633* 8634*
North Carolina 24464
Ohio 50565
Oregon 606
Peru 42079
Poland 42085*
Puerto Rico 68051
research
statistical methods 33446
reviews 16188 50536 59221
Rhodesia and Nyasaland 16178 50546
Sweden 42053*
USSR 20586*
nutrition 529 946 967 1017 1039 1067 1077 1098 1235 1253 1301 2277 8431 8861 9070 9086 9123 9129 10077 10673 16503 16533 16540 16565 16588 16644 16657 16709 16715 16731 16738 16745 16765 16774 16818 17988 18089 18313 24712 24769 24771 24814 24972 24981 25034 25039 26272 26450 26927 33574 33821 33838 33844 33883 33910 33988 34005 34028 34053 34056 34069 34180 34228 35134 35768 42458 42494 42498 42532 42544 42569 42619 42709 42754 42756 42771 42915 43933 44781 46790 50287 50943 50947 50961 50984 51001 51053 51066 51079 51108 51110 51119 51138—51140 51184 51209 51216 51217 51227 51228 51254 51299 51345 51367 51397 51402 53347 59626 59749 59755 59828 59874 59935 59936 59956 60051 60052 60065 60088 60206 60222 61150 61879 68728 69032 69033 69053 77519 77523 77540 77541 77682 77704 77746 78644 87559 87585 87674 87688 87704 88068 956* 974* 1071* 1111* 1193* 1197* 1223* 2090* 8864* 8890* 8920* 8960* 8976* 8992* 9029* 9059* 9068* 9110* 9113* 9199* 10725* 16618* 16640* 16697* 16804* 16875* 16878* 18354* 24821* 24849* 24880* 24906* 25074* 25169* 33962* 34014* 34050* 34062* 34142* 34164* 34207* 34243* 35840* 42502* 42523* 42633* 42682* 42736* 42759* 42811* 42819* 42853* 42886*

Item

Plants--Cont
nutrition--cont
42888* 43998* 50955* 50998* 50999* 51076* 51146* 51148* 51332* 51351* 51353* 51438* 59386* 59447* 59783* 59785* 59799* 59929* 59963* 59992* 60041* 60083* 60093* 60109* 60148* 60172* 60191* 61143* 61195* 61200* 61216* 61240* 61242* 68564* 68671* 68711* 68718* 68720* 68722* 68746* 68748* 68756* 68770* 68790* 68793* 68816* 68852* 68865* 68875* 68878* 68885* 68886* 68923* 68946* 68971* 69009* 69044* 69111* 69121* 69154* 69247* 77494* 77656* 77657* 77669* 78572* 79308* 79356* 87507* 87533* 87535* 87543* 87610* 87771* 87772* 87806* 87871* 87873* 87874* 87923* 87967* 87971* 87979* 88006* 88048* 88050* 88115* 88223* 89563* 91948*
bibliographies 993 995 996 998 1001 1002 42535 42537 42538
conferences and congresses 26338
nutritional deficiencies 8702 16712 34069 59749 70663 87552 87834 87847 88056 34207* 42645* 42772* 42888* 78632* 78633*
bibliographies 1000
New Zealand 26284
Norway 52690*
Sweden 52792*
Tropics 26227
oxidation reduction potential 34027 51064 51488 88136 88160 8889* 9282* 24923* 25110* 50322* 59211* 68792* 87602*
patents 15621 15622 34658 34687 34844 43425 43447 43562 52061 60703 60841 69887 88880 88924 88970 89096 8166* 49943* 76850* 86295*
pest control 337 4445 8353 8394 24148 29042 37453 41674 46316 50160 55170 74490 77314 86682 91951 4443* 8361* 15893* 24166* 29022* 37487* 41716* 46362* 73125* 86601* 86606* 91990*
Antilles 41593*
Australia 55212
Austria 41694* 63767*
Belgium 32487*
biological 12373 33072 28762* 28974* 63719* 63744* 73082*
Argentina 15887*
Italy 81436*
Poland 15963*
USSR 20569* 20587* 33054* 63782* 73217*
California 8396
Canada 41703 81628
costs 55375*
Florida 8331
France 24118* 33113* 37502* 50159* 86608*

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Item

Plants--Cont
pest control--cont
French Guiana 41593*
Germany 20693* 41662* 63779*
Great Britain 12339 77082
Hungary 24147* 73090*
India 55163
Indonesia 92119*
Israel 15902
Italy 8637* 73098*
Mauritius 37485*
Netherlands 8329*
Ohio 64029
Pacific area 32510
Poland 37503*
policies and programs 36351 81434
research
statistical methods 325
reviews 28787*
Rumania 92912*
Sudan 24173*
Sweden 67728*
Switzerland 58893*
Texas 41711
Tropics 8407
USSR 348* 8328* 12362* 12374* 15914* 15974* 46353* 67735* 73195* 86603* 86614* 86690*
pest resistance 63730 63777 73097 81372 63883*
conferences and congresses 86644*
pests 11303 15934 41714 8389* 12962* 29329* 55736* 63797* 87798* 91948*
Angola 8401*
Australia 12351 12354
California 81389
Canada 8580 28784 63764
conferences and congresses 93182
Denmark 15888* 33129*
forecasting 24160* 50203* 67723* 67762* 86240* 86694*
France 33139* 50169* 50176* 86608*
Germany 86687*
Ghana 86640
Great Britain 8348
Hawaii 4401 4753
India 4401 12648 29156
Iraq 92628
Israel 20561*
Libya 81376*
New York 33091
Pacific area 86656
Poland 24160*
Republic of South Africa 73756
Rhodesia and Nyasaland 85777
Sweden 42053*
Tropics 64082
USSR 20586* 28946*
Uruguay 12376*
Yugoslavia 4440* 28766*
physiological diseases 16826 33119*
physiology 32 333 617 942— 1308 2310 8695* 8852 8853— 9219 16207* 16278 16292 16298* 16497—16885 17913 17917 17988 17998 18089 24768—25185 33751* 33819—34244 41616* 41813* 42451

Item

Plants--Cont
physiology--cont
42452—42931 43891 50914—51440 52468 52726 55584* 59363* 59415* 59490* 59492* 59590* 59744 59748 59749—60276 63763 68212* 68526—69163 73069* 77462—77756 78294* 82518 87481 87482—88096
bibliographies 997 1003 42503 42536 42539
conferences and congresses 51063 87885
reviews 77690 42822* 59913* 60002* 60016*
propagation 9022 9569 69688 51955*
by cuttings 9550 42408 87946 34240* 68863*
mist humidification 9553 9566 9568 1761* 43351*
by grafting and budding 9560 60088 69689* 69690* 87575*
by layering 60629 78123
conferences and congresses 9564
proteins 784 1372 9166 10728 16101 16512 16538 16900 16926 16984 21785 26120 33829 34031 34076 34261 42869 42975 51197 51777 54720 60011 60292 68826 69054 69161 68651 68970 69216 87254 87350 87569 87948 88114 88121 88150 88163 88190 1157* 1395* 7954* 9104* 16903* 16963* 24781* 25253* 34029* 42806* 42962* 51278* 59750* 69177* 77503* 77504* 77754* 81202* 88170* 88229*
quarantine 362 1980 4312 15955 24177 24178 41714 41715 50240 58888 81434 86682 37649* 86631*
Arizona 41586
Australia 33142 58844
Bulgaria 86721*
India 50224
Latin America 15511*
Rumania 41587*
USSR 15954* 24186* 55509* 86717*
United Arab Republic 24169 33114 58852*
residues 2153 2154 2235 18067 26309 33256 35159 35249 52406 52415 52463 52597 53095 54147 59062 68929 70243 10116* 10127* 10305* 44052* 44116* 44324* 47337* 52774* 70673* 72813* 78463* 83090* 88632* 89499* 89552*
reviews 10326
respiration 954 1029 1163 1166 1226 10748 16063 16554 24646 24907 24975 24985 25035 25040 33541 33941 33951 33965 34115 34146 34171 41738 41777 42453 42491 42530 50406 50975 51169

Item

Plants--Cont
respiration--cont
51180 51196 51319 51449 59926 60115 63763 68598 68640 68840 68841 68915 68918 69015 77537 77752 87464 87840 88036 8910* 16027* 16498* 24773* 24890* 25002* 25052* 25115* 25180* 33926* 34045* 34333* 42787* 50918* 51019* 60009* 60227* 60315* 68645* 68799* 68853* 69025* 77554* 69071* 69156* 70258* 77583* 77587* 77618* 77619* 77671* 87558* 87618* 87660* 87666* 87746* 87953* 88091*
reviews 77516 77630
soilless culture 24769 50981 65013 87524 87658 87918 87988 8914* 21726* 24872* 42799* 43788* 68068* 70345* 87576* 87867* 89007*
starches 1390 9001 16092 24863 34278 34330 42189 42587 51445 81866 87931 25242* 34217* 42800* 77184* 77922* 87868* 88438*
temperature 18080 42890 42921 10856* 34020* 41310* 41603* 43910* 58863* 69018* 77508* 87757*
transpiration 979 1102 1163 8945 9033 16603 16717 16727 34153 42755 42791 50922 50963 51151 51296 51352 51437 52468 59836 60046 60245 68582 68618 68647 68653 69138 77465 88088 16520* 16673* 16803* 24958* 24973* 25122* 25125* 34124* 34193* 50995* 51207* 51255* 51276* 59961* 60134* 60148* 68539* 68694* 68741* 68767* 68791* 68952* 69018* 70197* 77532* 77580* 87657* 87747* 90350*
virus diseases 550 583 8599 15515 16130 16140 16154 16161 20795 24417 33374 41980 41993 42033 42043 50469 50486 50508 50513 50518 50523 59117 59163 59168 68005 68015 77259 77260 87063 567* 16117* 16155* 24426* 41970* 42025* 42027* 42029* 42038* 42049* 43007* 50470* 59155* 59159* 59160* 62424* 77249* 86996* 87047*
California 546
Canada 8580
Chile 568*
control 50493 50513 55464 68007 87064 33406* 41969* 67989*
Easter Island 8587*
Florida 81709
France 50477*
Germany
East Germany 42028*

Item

Plants--Cont
virus diseases--cont
Japan 59169
Michigan 55186
Montana 67985
Norway 33419*
Poland 561*
reviews 16122 33397 45364* 59143* 59154* 59199*
terminology 16160
transmission 20745 37657 55169 55188 55206 55234 55239 55420 55434 55438 67996 68049 73072 73129 81709 87009 87072 87083 4670* 37641* 41969* 46501* 46502* 73109* 81391* 87008*
conferences and congresses 55307
reviews 50536 55168 55223 55230 55238
Trinidad and Tobago 67998
vitamins 16635 23697 23706 67138 42962* 76639* 76644* 88180*
water relations 964 1050 1101 1102 1145 1235 1281 1298 1302 8854 8874 8954 8964 8968 9190 10914 15987 16659 16720 16767 16797 16841 16856 16861 17867 17894 17917 17923 19063 24999 33864 33865 33942 33956 33969 33979 34042 34048 34053 34085 34097 34104 34116 34126 34136 35134 35720 42579 42680 42718 42731 42867 42870 42893 42900 49977 50267 50382 50922 50975 51080 51172 51203 51252 51262 51268 51287 51311 51326 51421 51437 59327 59346 59787 59812 59826 59833 59851 59862 59876 59881 59905 59912 59964 60015 60131 60178 60182 60190 60208 60209 60228 61997 68557 68558 68582 68631 68653 68855 68993 69010 69089 69143 73228 77555 79321 87502 87634 87683 87899 1031* 1115* 1218* 1266* 1278* 2716* 8892* 9010* 9034* 9044* 9104* 9154* 9208* 16226* 16645* 16716* 16790* 19070* 24804* 24835* 24874* 24895* 24966* 25044* 25071* 25095* 25100* 25133* 25180* 25183* 26926* 33949* 33989* 34117* 34128* 42461* 42485* 42552* 42618* 42623* 42668* 42676* 42764* 42775* 42795* 42874* 42897* 50917* 51020* 51156* 51239* 51276* 51389* 52409* 59748* 59772* 59778* 59780* 59820* 59835* 59892* 59921* 59925* 59982* 60006*

*Text of this reference is not in English.

Item

Plants--Cont
water relations--cont
60095* 60134* 60148*
60238* 60239* 60276*
61529* 68556* 68570*
68585* 68657* 68677*
68678* 68754* 68767*
68801* 68802* 68908*
68924* 68939* 68940*
68956* 69022* 69070*
69076* 69098* 69099*
69104* 69107* 69125*
70686* 71144* 71156*
71246* 71304* 77462*
77546* 77581* 77646*
78277* 86737* 87504*
87686* 87734* 87737*
87802* 87810* 87833*
87854* 87874* 87878*
87997* 88089* 90182*
reviews 59849 60197
60229 77706 77479
24831* 60274*
SEE ALSO Botany; Flora; Herbariums; Paleobotany; Vegetation; names and classes of plants; names of anatomical parts, diseases, and causal organisms; and UNDER Photography; Sex; Symbiosis; Tissue culture: Tissues
Plasmnogen 90686*
Plasmodiophora brassicae 516
767 8450 25866
50287 86847 33257*
50354* 67857* 67934*
89236*
Plasmodium 72632 73152*
Plasmodium cynomolgi 55269
Plasmodium elongatum 37069
Plasmodium falciparum 20635
Plasmodium gallinaceum 12914
12915 28261 80804
81519 37603*
Plasmodium hexamerium
37069 54800
Plasmodium juxtanucleare
28261
Plasmodium lophurae 20261
Plasmodium relictum 5203
73137
Plasmodium vivax 4565
Plasmopara halstedii 58915*
67841* 86579*
Plasmopara viticola 24305
8501* 67777* 67862*
86956*
Plaster casts 62433*
Plaster of paris 89449*
Plastics
in agriculture 86106
30079* 65024* 86112*
in animal industry 90501*
90653*
in building construction
47562 74332 71488*
83260* 92982*
in drainage and irrigation
26463 89883
in equipment industry 38659
83158*
in food industry 48436*
71846* 93379*
in horticulture 9714
16556 34572 50324
74322 86106 87658
88811 89789 1736*
1898* 8360* 38611*
43606* 52138* 65024*
78015* 83265* 83267*
88797* 88817* 89166*
92989*
in woodworking industry
44957* 90404*
pests 81885
SEE ALSO names of plastics; and UNDER specific subjects

Item

Plastids 941 9274
16821 24433 24597
33744 42228 50690
50840 59532 59686
77358 77385 87337
16319* 16383* 16393*
16963* 16968* 24647*
34320* 43039* 50755*
59353* 59518* 59740*
60360* 68533* 69183*
69266* 77443* 77462*
87415* 87947*
reviews 77624 77444*
Plastoquinone 16669
Plastotorymus amygdali 47069*
Platanthera bifolia 76823*
Platanus 10686 33334*
38348* 61816* 61907*
86492* 86752*
Platanus acerifolia 33346*
Platanus occidentalis 11112
43025 89912 33346*
Platanus orientalis 33346*
34848*
Platanus racemosa 55748
Plathypena scabra 5357
Platikanov N 90898*
Platneptis n g 38368*
Platyarthrus 38037*
Platyarthrus hoffmanseggi
92335
Platycerium 58732 58711*
Platychirus 55791*
Platycoelus 82247
Platycoryne paludosa 8796*
Platycorynus 21113
Platydema 46855*
Platyderus 46841*
Platydesma 32862
Platyedra gossypiella SEE Pectinophora gossypiella
Platygerrhus millenius 5326
Platygryllus n g 47208*
Platygyrium repens 32884*
Platylabops 47084
Platymetopius 38289*
Platymonas 8981 16626
Platynaspidius n g 29385
Platynaspini 29385
Platynectes 21114*
Platynocheilinae n sfam 47071*
Platynota rostrana 12532
Platynotoscarta n g 82534*
Platypalpus juvenis group
46918
Platyparea poeciloptera 20787*
55436* 81660*
Platypezidae 21204—21207
55768 82386 82387
Platypezina pacifica 21207
Platypleura duplex 64485
Platypodidae
Ghana 20908
Malaya 82231
Micronesia 38154
Southeast Asia 55717
West Africa 12545 21094
21146
taxonomy 82232 82326*
Platyptilia 47205
Platypus 12843 82326*
Platyseiella n g 4941
Platyspora n g 86594
Platytarus 21086*
Platytoxopoda 73712*
Platytrombidium 64321
Platyura 82392
Plaumannita 82215*
Plaxomicrus 92350*
Plea frontalis 55856
Plea metiadusa 55856
Plea minutissima 64488*
Plebeius icarioides 47143
55941 82696
Plebejus SEE Plebeius
Plecoptera
anatomy and physiology
82871
Brazil 64728

Item

Plecoptera--Cont
collections 21485* 82855*
Finland 29793*
Great Britain 13094
Italy 21485*
North America 5614
Pacific Coast States 56029
phylogeny 13081*
South America 92658*
Thailand 56031
types 21502
USSR 29817*
Utah 82870
Plectania coccinea 16876*
Plectopycnis 67580*
Plectranthus fruticosus 16815*
42596*
Plectrocnemia 47258*
Plegicil SEE Acetylpromazine
Pleidae 38294 55856
Pleiocarpa mutica 16928*
Plemeliella abietina 46649*
Plenoculus davisi 5288
Plenodomus 58780*
Plenotrichaius n g 41533*
Plenotrichopsis n g 67580*
Pleocoma dubitalis 4993
Pleospora 307 86594
58780* 58781*
Pleotomini 46864
Pleotrachelus 41573*
Plesiocis 82271
Plesiomma (Boropis) n sgen
82382
Plesiomma (Cystoprosopa) n sgen 82382
Plesiomma (Dapsilochaetus) n sgen 82382
Pleura 45552*
Pleuranthodendron n g 32722
Pleurastrum 41510
Pleurenterium tumidum 86537*
Pleurisy 91220*
Pleuropneumonia 3582
11598 54277 54330
91123 91142 11576*
91030*
Pleuropneumonia-like organisms 79750 90602*
cattle 45403* 54250*
poultry 3943 3954
3972 37077 45958
45997 72612 80827
63297* 91477*
Pleurospermum uralense
75525*
Pleurospermum uralense oil
22670*
Pleurotaenium 214
Pleurothallis 32722
86486*
Pleurotus 33005 41542
Plicaria 276
Plinthisus 64528*
Plinthus 82
Plocamotrechus 21125*
Plodia interpunctella 5512
5541 5458* 47129*
82737* 82785*
Ploiaria 38358
Plowing 10307
Bulgaria 89805*
contests 18407 89803
89817 52878* 83039*
Czechoslovakia 44322*
89815*
effects on soils 18115
10004* 10338* 26365*
26370* 26597* 44301*
44315* 61610* 70340*
70691* 89806* 92761*
equipment 74044* 92758*
Germany
East Germany 47340*
70680* 70692* 83039*
Japan 30013* 92775*
mountain areas 70857
70858 64841* 70701*
70860*
Poland 17887 89788*

Item

Plowing--Cont
USSR 2364* 9079*
9924* 10256* 10318*
10324* 10337* 10339*
18395* 18399* 26377*
35430* 35442* 44232*
44313* 47337* 61464*
70696* 78759* 78760*
89799* 89800* 89811*
89812* 89813* 89818*
92760*
Plows
disk 56116 74030 83042
47360* 74034*
Germany 13204* 74043*
history 92759*
maintenance and repair
13212 83042
moldboard 13203 35442*
56134* 89813* 92755*
Netherlands 47366*
operation 10848 35856
71320 74030 13193*
21592* 21596* 21599*
21600* 29907* 38776*
47334* 47337* 47348*
47357* 56122* 56135*
64829* 64833* 64841*
64842* 64940* 74029*
74034* 74238* 83046*
92761* 92763* 92771*
reviews 74041*
parts 56116 5730*
13200* 47355* 64836*
92755* 92758* 92764*
92777*
power take-off 47334*
rotary 71145*
Scotland 35453
Spain 83045*
Switzerland 74031*
tests 47340* 47345*
74051*
types 2363 5731 47346
83036* 92762*
Denmark 38663*
Germany 38668* 38669*
64838* 64839* 74027*
92759*
East Germany 47359*
Hungary 74038* 92767*
Japan 92763*
USSR 5728* 92753*
Plowshares 29913* 74042*
89806* 92755*
Plum pox
plums 87032 87083
87060*
Plumbaginaceae 77765*
Plumbago 69193
Plumipalpia n g 29702
Plums
abnormalities 24677*
anatomy and physiology
69068 73264 87032
51219* 51294*
bacterial diseases 78078
breeding 25625*
culture 17342* 17344*
60702* 61318*
deficiency diseases 86672
disease resistance 86945*
diseases 50168
fertilizers 35303 51219*
flowering date 68361*
for processing 75219*
fungus diseases 412
24227 33219 41783
41790 86945*
control 16049 50324
86946*
hardiness 24787*
harvesting 13228
hybrids 25625* 51950*
injuries 412 24227
33219 41790 50324
86636* 86946*
irrigation 70836
kernels 39657*
marketing 48373*

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Item

Plums--Cont
mechanization 21537
morphology 68361*
pest control 50168 12562* 37734* 46561* 81739* 81765* 92157* 92189* 92193*
pests 73264 12586* 12596* 46551* 92146*
pollination 8974
pre-harvest drop 59974
products 6159* 93221*
propagation 69068 69740 78078 69762*
pruning 9617 17336 69733 51957* 51962*
rootstocks 78078
Australia 60687
California 69796
Sweden 51953*
USSR 1705* 9620*
soils 35303 61318*
spraying and dusting 50324
tests 84192*
thinning 69761
varieties 43425
Alabama 1703
Bulgaria 86945*
California 34639
India 78079 88921
Italy 34655*
Oregon 88925
Rumania 51948* 51959*
USSR 1699* 24787* 25605* 60684* 68361* 75219*
virus diseases 24448 50488 87032 33412* 87060*
Plusia confusa SEE Macdunnoughia confusa
Plusia gamma SEE Autographa gamma
Plusia ni SEE Trichoplusia ni
Plusia nigrisigna SEE Autographa nigrisigna
Plusia orichalcea SEE Diachrysia orichalcea
Plusia tutti 64648 92597
Plusiinae 64648 92597
Plutacia n g 21145*
Plutella maculipennis 12495 21386 29671 63893
Plutonium
in hay 53781*
Plymophiloscia 4920
Plywood 19159 27099 53614
associations 19243
bending 79515
construction 2900 19244 27106 27108 38841 45035 62132 45037*
cores 2892* 19248*
defects 44986 2892* 11013*
directories 36004
finishing 79510
gluing 2895 4760 11014 19242 90396 2901* 11013* 45027* 45032* 53631* 71493*
grading and standardization 11021*
history 27109 45035
industry 27098 36013 36018
Bulgaria 36005*
Finland 36016
France 19236*
Great Britain 71467
Japan 62138
Philippines 90399
Poland 19311*
Yugoslavia 71504*
manufacture 11011 11012 36000 79518 2893* 11021* 53623*

Item

Plywood--Cont
marketing 36003 36009 36019
materials 62134 90401 19240* 19241* 36002* 45037* 71499*
moisture 2903
overlays 2902*
pest control 4760 64083*
preservation 44986
properties 38841 90392 90459 90493
seasoning 11009*
statistics 79511
strength 36019 79516 19248* 71497* 71498* 90398*
tests 90392 90459 90493 2901* 45036* 62183* 71493* 71497* 71498*
trade 11015 62130 62134*
SEE ALSO Adhesives; Veneers
PNCB SEE Pentachloronitrobenzene
Pneumatic conveyors 92832*
Pneumomediastinum 80541*
Pneumonia
cattle 45618*
dogs 45737 91255
hamsters 36955
mice
reviews 28147
minks 36860 54595
rabbits 20315*
sheep 4143 20392 12142* 37234* 72818* 72839* 91685*
swine 20509 28670 37392 81305 46245* 81316*
causes 46221 81262*
treatment 27345*
SEE ALSO Bronchopneumonia; Feline pneumonitis; Lungworms; Pleuropneumonia; Rhinopneumonitis; Virus pneumonia
Pneumonyssus simicola 21048*
Pneumoperitoneum 46140 27731*
Pneumoradiography 45345*
Pnigalio mediterraneus 37714*
Poa 32771 86487*
control 17678
cytology 24621*
fertilizers 52781
taxonomy 32788 76931 41383* 58692*
weed control 70024
Poa bulbosa 60069* 68346*
Poa caespitosa 25482 42809
Poa colensoi 25482 42809
Poa pratensis 25790
anatomy and physiology 1041 8987 9015 25466 42903 51188 60013 69072
culture 9449*
fertilizers 69072
fungus diseases 16077 24280 67879
germination 68850
harvesting 9015 69072
irrigation 51188
seeds 25466 84965
spraying and dusting 24280
varieties 18302 9449*
Poa subcaerulea 67412
Poa trivialis 25695
Pocadiodes wajdelota 12815*
Pococera atramentalis 20728*
Pocockia SEE Trigonella
Pod mottle 8606
Podabrus 82271
Podabrus alpinus 73649*
Podagrica 29391*

Item

Podagrica pallida 38118
Podagrica puncticollis 38118 92110*
Podagritus 21335*
Podalia 29084*
Podaxis 23895
Podisma sapporense 21464
Podocarpaceae 26921 68103
Podocarpus 23968 58781*
Podocarpus dacrydioides 740 12663
Podochytrium 33027
Podolepis jaceoides 16299
Podonomus 12874
Podophyllaceae 16938*
Podophyllum emodi 50804*
Podophyllum peltatum 8760
Podosphaera 41563* 41581*
Podosphaera leucotricha 376 50285 67807 67873 50309* 86774*
Podospora 41538
Podospora anserina 59690* 59706* 59930* 77364*
Podoxyphiomyces n g 41535*
Podura aquatica 47260
Podzol soils 2109 17953 17989 18025 18032 18236 52446 78500 18146* 25163* 52464* 52648* 61350* 70268* 70419* 78423* 89763*
Brazil 18184
Cameroun 70411
Canada 70468
Czechoslovakia 2337* 10284* 52894* 78459*
Germany 17959* 44094*
Latvia 78888*
Lithuania 43981*
Netherlands 18131
New Zealand 26284
Poland 10103* 10131* 70407* 70446* 70456*
reviews 10123
Rumania 78657*
USSR 18204 61286 1937* 2038* 2054* 2338* 2344* 2369* 10004* 10115* 10129* 10239* 17096* 18035* 18284* 18307* 25824* 26152* 35188* 35408* 35441* 43903* 43927* 43987* 44070* 44136* 44216* 44253* 44270* 52571* 52857* 55704* 59767* 61470* 70202* 70210* 70267* 70316* 70321* 70358* 70390* 70399* 70430* 70441* 70466* 70535* 70695* 78399* 78530* 78628* 79196*
Wisconsin 44083
Yugoslavia 17975* 68956* 70619*
Poecilimon 47212
Poecilomorpha 21113
Poecilopsis isabellae 38478*
Poeciloscytus cognatus 81685*
Poecilostachys 58628*
Pogonia trianthophora 103
Pogonogenys n g 29702
Poikilosperma n g 67582*
Poinsettia SEE Euphorbia pulcherrima
Poinsettia coccinea 50028
Poinsettia inornata 50028
Poison ivy SEE Toxicodendron radicans
Poison sumac SEE Toxicodendron vernix
Poisoning SEE Food poisoning; Poisonous plants; names of poisonous substances; and SUBHEADS poisoning; toxicity UNDER specific subjects

Item

Poisonous plants 9927 60986 65097
Australia 25924 52288 70032
Austria 9906*
Canada 34981*
Czechoslovakia 58772*
Hungary 70093*
Indonesia 17656*
Norway 60949*
Ohio 60985
to bees 81985*
to livestock 3133 3189 11757 12111 25956 34266 45267 54034 60960 62920 79736 82295 3183* 19498* 43672* 90669*
Australia 60990
California 27459
Mexico 9923*
North Carolina 9880
Republic of South Africa 27301 52301
Rwanda-Burundi 11358*
Virgin Islands 60977
USSR 78207*
West Virginia 34975
SEE ALSO Photosensitization; and names of poisonous plants
Poisons SEE Economic poisons
Poisson's ratio 30796 55415
Pokkah boeng 50368
Pokomandya n g 47077*
Poland Centrala Handlu Zagranicznego "Rolimpex" 94782*
Poland Centrala Importowo-Exportowa Animex 94766*
Polarimetry 40183 21777* 39482* 93309*
Polarographic analysis 48927
in animal research 37407
in entomological research 12841
in feed research 74894
in fiber research 22213*
in food analysis 30440* 65091*
in fumigant research 55526
in insecticide research 20566
in lignin research 2988* 45131*
in plant research 1241 60298* 83979*
in soil research 18002 52458* 70300*
in starch research 21778*
in sugar research 7260 57545 57546 85003*
in wine research 13619* 39127*
Polders
Japan 52529 89592 44118* 70567*
Netherlands 26569 7743* 18440* 44439* 61299* 66664* 70779*
Polemon liparae 47105
Poles 26803 27054 27083 53614 71473 71477* 90151*
building materials 21730 21732 38842
conferences and congresses 62118 62125 71474
damage 71434 73392
decay 62082 71434 71452
durability 44984 71441 79481
grading and standardization 62126
maintenance and repair 62080–62082 62084 62096 62098 71434

*Text of this reference is not in English.

Item

Poles--Cont
marketing 62126
pest control 4765 73392
preservation 2856
10960 10968 19180
27054 53576 62079
62085 71412 71415
71429 71442 79481
44972* 71433*
research
statistical methods 44995
tests 71426 71451
preservatives 62097
71424
processing 2883
properties 62250 71602
71603
quality 61972 71451
regulation and inspection
62081 62127 71451
seasoning 62072 71412
71415 90344
statistics 2886
strength 10994 11086
79619
tests 21730 35986
Polianthes tuberosa 33179
68296*
Policies and programs 22977
31819 31855 40425
40465 40871 49199
57837 57875 57896
66551 66556 66605
76071 85438 94291
14835* 14875* 14878*
14923* 23127* 31872*
40430* 40466* 76032*
85339*
Africa 23158 66606
14808* 31822* 94304*
Algeria 78795*
Argentina 57790
85323*
Asia 67265
Australia 31828 32387
40290 49759
Austria 40532* 49151*
Belgium 94761*
Brazil 57790 49550*
British colonies 76006
Canada 14831 23264
40512 40533 49847
66513 66979 75977
14898*
Ceylon 49144
China 7514 31800
31842*
Colombia 57790 66546*
75976* 76014* 85353*
94279*
conferences and congresses 40264
Congo 7464*
Cuba 66517*
Czechoslovakia 66543
66550* 66599* 66709*
76344* 85376* 85377*
85428* 85431*
developing areas 7541
7692 15127 85862
94141 94331 31865*
57793* 76010*
Eucador 23206*
Europe 40500 58205
7478* 14829* 14884*
14898* 31827* 31865*
40419* 40457* 40889*
49130* 49136* 75989*
European Economic Community 7476 7481
23154 57836 57895
66553 85449 23122*
23179* 31787* 31809*
40436* 40492* 57787*
57791* 57795* 57796*
57816* 57835* 57839*
57843* 57893* 57897*
76007* 76031* 76041*
85367* 85413* 85458*
94337*

Item

Policies and programs--Cont
Far East 67265
France 31843* 40478*
66576* 85374* 85384*
94293*
Germany 23201 66552
14827* 14853* 14910*
23137* 31839* 31893*
40499* 40509* 57862*
57863* 66782* 75975*
76050* 76054* 85143*
85356* 94326*
East Germany 49182
14912* 57874* 66526*
Ghana 49195*
Great Britain 14905
14935 40439 40463
49192 57822 85401
31831*
Great Plains 14821 14822
Greece 57802
Guatemala 57790
Haiti 23163*
history 66506
Hungary 23170* 31838*
57830* 66541*
India 7499 7507
13430 14868 14873
23120 31786 31841
31888 49156 66502
66585 76048 85334
85390 85417 85442
85457 85875 94324
94439
Indonesia 57841 85718
international 57870
7549*
Iran 57818*
Iraq 40471*
Ireland 7503 41009
Israel 14901
Italy 66527 85333 7560*
14825* 14857* 14946*
23145* 23180* 23199*
31851* 31856* 40437*
40441* 40485* 40489*
40504* 49116* 49148*
49166* 49175* 49177*
49187* 57806* 57860*
57868* 57871* 66528*
66558* 66601* 75973*
76002* 76059* 76441*
85332* 85358* 94285*
94328*
Jamaica 31833 76015
Japan 7524 23392
48265 14879*
Kansas 75995
Kenya 75987
Korea 76023
Latin America 57801
57832 94312 49157*
85353*
Lithuania 67246*
Luxembourg 23496*
Malagasy Republic 66498*
Mexico 31879*
Mississippi 31679
Morocco 40468
mountain areas
Austria 94308*
Congo 14978*
Europe 23186*
France 66885*
Italy 7533* 7552*
40442* 40527* 85354*
Switzerland 7463*
31860*
Mozambique 49133* 49191*
Netherlands 7562* 49137*
76026*
New York 31862
New Zealand 23187
North America 40500
North Carolina 57850
85455
North Dakota 66522
Northeastern States 15508
Norway 31795* 57805*
Pakistan 7526 40483

Item

Policies and programs--Cont
Paraguay 31868 31886*
Peru 23160*
Philippines 85405
Poland 7467 7505*
21869* 31907* 66580*
94311* 94335* 94336*
Portugal 76046* 94273*
Rumania 40424 57876
76028*
Rwanda-Burundi 31789*
Samoa 31861
Sudan 40445 40444*
Sweden 23123*
Switzerland 49145*
Taiwan 57829 75984
85402* 85404*
Tanganyika 7550
Thailand 40418
Tunisia 49121
Uganda 66557
USSR 7477 23224
31806 40446 40473
40491 76069 7429*
7523* 7547* 14814*
14887* 14899* 14916*
23219* 31883* 40433*
48994* 49132* 49179*
57867* 66539* 66540*
66542* 75967* 75969*
75972* 75983* 75991*
75993* 76003* 76022*
76032* 76040* 76047*
85359* 85399* 85408*
85453* 94300* 94301*
94322*
USSR bloc 40446 40486
76060
United Arab Republic 23217
United States 7485
7486 7487 7502
7513 7536 7565
7566 7835 14848
14849 14866 14892
14906 14908 14909
14939 15303 23178
31793 31796 31799
31801 31812 31835
31858 31869 31874
31896 32247 32337
38933 40416 40422
40426—40428 40520
40524 47765 49140
49141 49142 49143
49153 49154 49196
49200 49201 49208
57799 57809 57811
57813 57814 57823
57865 57887 57896
66522 66534 66567
66916 66972 75974
75988 75997 76000
76001 76018 76019
76049 76067 76070
76072 85380 85386
85410 85419 85433
85435 85446 85452
85462 94271 94289
14898* 85445*
Uruguay 49167*
Venezuela 14869*
Virginia 7466
Yugoslavia 40479
23176* 85396*
SEE ALSO Linear programming; names of govment agencies and of programs; and UNDER specific subjects
Polididus 38349*
Polioencephalomalacia 27763
Polioencephalomyelitis 28700
46234 63646
Poliomyelitis 28894 28895
37575 81339*
Polistes 38394* 38395* 73780*
Polistes annularis 21316
Polistes gallicus 82647*
Polistes hebraeus 21344

Item

Politics 15207 32344
40842 58093 58205
7631*
SEE ALSO Farmers, political influence
Pollaccia radiosa 8436
33011
Pollen
analysis and composition
1323 20957 20974
20975 32658 69212
87448 34321* 34326*
88142* 88156*
anatomy and physiology
16794 50685 50772
50973 59684 77627
16570* 33618* 59556*
87355* 87376* 87794*
88078*
biochemistry 50772
53418 69212 43038*
69234*
collection by bees 20949
20957 4812* 12706*
64546* 81998*
collecting and preserving
32632 32657 67317*
color 60254
cytology 840
dissemination 43132
79344
feed for bees 4801 81956
12674* 17832* 20969*
64182*
feed for insects 64381
feed for mites 4915*
germination 1150 1267
34169 42889 51253
68745 24806* 24952*
33861* 34105* 60216*
61908* 68757* 79337*
identification 88156*
in honey 31213*
lyophilization 29178*
morphology 24678 33610
33716 42176 42275
59534 68350 68381
77365 77396 77398
77406 77412 77414
87305 87329 16358*
24609* 33601* 33666*
33679* 42301* 59364*
59557* 68292* 68358*
68372*
nutritive value 76630*
86069*
storage 4801 10718
34169 60254 71271
9193* 16570* 24806*
24991* 61908* 69118*
substitutes 46693 81956
20964*
surveys 15660 15681
41263 67342 15661*
toxicity 63161*
utilization 94104*
viability 1293 10718
18962 34015 53418
64156 71271 9193*
16570* 43634* 68884*
69004* 69117* 69118*
87599*
SEE ALSO UNDER names of plants
Pollen studies 8114 32677
76874 23890* 23891*
32676*
Arizona 8135
Belgium 23886*
bibliographies 23902*
32686*
Colorado 41288
Czechoslovakia 23889*
Germany 8164*
Hungary 23872*
India 76893*
Iran 23856*
Japan 51 52
53 54 76895
Latvia 15636*

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Item

Pollen studies--Cont
Michigan 8115
Minnesota 86324
Morocco 15661*
Nebraska 15670
Scotland 41256
USSR 8159* 8172* 15649* 32666* 58478* 58481* 58498* 58551* 58564* 67376* 86331* 86349* 86370* 86371*
Western States 76855
Pollenia vagabunda 5059 29474
Pollia sorzogonensis 87306
Pollination 4823 16478 46671 49961 50903 55195 55221 64156 81965 87711 34294* 42375* 55600* 55601* 77655* 82001* 82003* 92264*
SEE ALSO UNDER names of plants; and SUBHEAD as pollinators UNDER Apis mellifera; Bees; Insects
Pollution SEE Air pollution; and UNDER Water
Pollux n g 4955
Polonium 8879
Polska Akademia Nauk 78815*
Komitet Technologii i Chemii Zywności 93147*
Zaklad Dendrologii i Pomologii w Korniku
Arboretum Kornickie 32744* 32754*
Polskie Towarzystwo Parazytologiczne 71820*
Polyacrylamide 10008* 22854*
Polyamides SEE Amides
Polyamines SEE Amines
Polyanthes SEE Polianthes
Polyaspidae 4967
Polyaspinus tuberculatus 4969
Polyborchlorate 52254
Polycarpea 76958
Polycarpicae 33670*
Polycentropus 64731
Polycesta 64350*
Polycestinae 46875*
Polychlorocamphenes 55459*
Polychloropinene 37493* 37562* 55459*
Polycytosporea 29787*
Polydactylism 20135 81264*
Polydesmida 55679 46807* 92074*
Polydesmoidea 38041 55689 55688* 55700*
Polydesmus 46807*
Polydesmus complanatus 82199*
Polydipsia 3661*
Polydiscidium 252
Polydrusus dohrni 46556*
Polyelectrolyte soil conditioners SEE Soils, conditioners
Polyembryony 16382 33717 42240 60650 68224 77369 87302
Polyenes 50346 77588 31413* 41813* 51456* 88116* 88117* 88119*
Polyergus rufescens 38365*
Polyesters 72124 36011*
Polyethylene
antioxidants 83502*
cages for insects 4356
in building construction 38840 30083*
in fats and oils 31368 40070*
in food industry 21856 31060 65778 65791 83506 93590 39721* 39760* 84891*

Item

Polyethylene--Cont
in horticulture 2732 9724 10759 33049 41721 52349 9943* 57034* 60623* 70122* 88930*
in irrigation 2416 78821*
in textile processing 74943
in veterinary medicine 54520
in wildlife control 53441*
milk containers 74840 74841 83874 39343*
mulch 34688 35449 35469 53373 61079 78766 78777 16598* 26369* 70211* 88930*
Polyethylene glycol 53581 87701
Polyflox 39457*
Polygala 23958 77384 23918*
Polygala abyssinica 24652
Polygala alba 24600
Polygala erioptera 67506
Polygala incarnata 24600
Polygala lutea 117
Polygala paenea 51558*
Polygala senega 77772
Polygalacturonase SEE Pectinase
Polygalic acid 51558*
Polygerus 73776
Polygonaceae 58655
Polygonella 58655
Polygonia c-album 5381 13000 38524
Polygonum 89305 26001* 43011* 60045* 67434* 68883*
Polygonum alpinum 76940*
Polygonum aviculare 89305
Polygonum bistortoides 76935
Polygonum coccineum pratincola 42587
Polygonum convolvulus 78214 52200*
Polygonum coriarium 26004* 67426*
Polygonum divaricatum 68345*
Polygonum nodosum 68302*
Polygonum pensylvanicum 16675
Polygonum persicaria 35020 43780
Polygonum senticosum 77761*
Polyhalocyclohexanes 37492*
Polyhalocyclohexenes 37492*
Polyhalocyclopentadiene 63784*
Polyhedroses 73518 82102 12741* 29221* 37912* 63795*
Bombyx mori 46701 46709 55622 73465 4843* 4845* 12714* 12715* 20978* 20979* 20998* 29221* 37915* 37916* 37917* 37929* 37942* 64207* 64208* 82017* 82035* 82068* 82069*
Hymenoptera 4759 21321 73788 81910
Lepidoptera 4623 4653 5496 5526 12472 20981 46701 47160 47170 47184 47198 73250 73844 12714* 29016* 29738* 38504* 55986* 73850* 82666*
Polylepiscus 92324
Polymers 7047 7181 14018 22192 22789 22790 27188 30777 30889 48212 48908 85000 9173* 17886* 17896* 18340* 22275* 31497* 39512* 40021*

Item

Polymers--Cont
56441* 62180* 74497* 75491* 83869* 83871* 84023*
Polymixis gemmea 55917*
Polymorphism
animals 72650* 72651*
insects 5320 21285 21468 29413 29477 29542 29609 55438 55756 55869 55965 73889 82522 82546 5154* 12867* 29482* 73674* 82545*
mites 73588 82120*
plants 50680 68455 68324*
Polymyxin 11335* 79806* 79901* 80405*
Polymyxin B sulfate 27536
Polynema 38327 47107
Polynucleotide phosphorylase 8573
Polyols 31382
Polyommatus 38490*
Polyommatus icarus 13033
Polyoxyethylenes 7032*
Polypaecilum n g 298
Polypedilum 12874 73661
Polypeptides SEE Peptides
Polyphenolases SEE Phenolases
Polyphenoloxidases SEE Phenolases
Polyphenols SEE Phenols
Polyphosphates SEE Phosphates
Polyplax 29811*
Polyplax meridionalis 64729
Polyplax nesomydis 29806*
Polyplax serrata 81455
Polyploidy
Abies 10756
Adiantum capillus-veneris 68477
Agropyron 914 24693
Agropyron cristatum 24701 50653
alfalfa 738 42346 59736 68489
Allium 50660
Angiospermae 128
asparagus 33627 68512*
Aspergillus 33806
Avena 901 16374 16426
bananas 50803
barley 8841 16282 33810 50893
beans 44203* 87442*
beets 42240 42373* 69995*
blackberries 42364
Bothriochloa 16295
Bougainvillea 16365
broadbeans 42276*
buckwheat 59694 42334* 60272*
Buddleia 8758
bush redpeppers 43639*
Canna 918*
Carya 826
Castanea 44797
castorbeans 42367
Chinese cabbage 33803*
clover 68997 51756*
Collinsia 50849
Coriandrum sativum 24724*
corn 24684 68511 87474 834* 42984*
cotton 33795 43194 77427*
cucumbers 1852* 42210* 44211* 87412*
Cyclamen persicum 25788
Dactylis 16415
Euchlaena 68511
Festuca 863

Item

Polyploidy--Cont
field crops 1415*
forage plants 34496*
Fragaria 33699 68422*
Galium multiflorum 33620
grasses 50693
Helianthus 67447
Hibiscus 68461* 68809* 77440*
hops 35079
insects 5097 82603 5063* 5516* 5639* 82067*
jute 8739
Lolium 863 899* 60525*
loquats 8811
Melampsora allii-populina 67866*
Morus 77371 87481*
mungo beans 68510
Musa 59651
Ocimum basilicum 24604*
Oleaceae 68313*
onions 50660
Orchidaceae 16351
Oryza 42448
Osmunda cinnamomea 16369
Paspalum notatum 24579 42207
peas 42276*
Pennisetum 42358 77395
Petunia 857*
Phalaris arundinacea 42392
Phleum pratense 24733 87332
Pinguicula hirtiflora 50860*
plants 8843 25216 33801 50006 50753 50769 59681 87312 87419 87448 42201*
Populus alba 71224*
potatoes 16444 50877 68431 42291*
Primula 33815
radishes 59742 68517* 68669*
red clover 9512* 43213* 69042*
rice 24594
Rosa 33784 50899
rye 24825 43132 69393 87457 25346* 25347* 43086* 43147* 59685* 87386*
safflower 24753
Sesbania 33609
Solanum 24675*
Sorghum halepense 8753
spinach 89123
sugar beets 68745 9529* 34155* 77421* 77991* 87794* 88745* 88769* 88785*
sweetclover 68278
sweetpotatoes 24742
Tagetes 8847
tobacco 9541 42347
tomatoes 87745 16315*
Triticum 796 16403 24693
wheat 843 893 914 8744 16282 16468 24648 24727 24760 42400 42419 50869 50885 50889 50913 59715 1096* 25346* 43147* 59685* 68494* 87473*
yeasts 68469* 68758*
Polypodiaceae
Argentina 15825*
cytology 8768 16363
morphology 8764 8765 50758 59375*
Polypodium 196
Polypodium lasiopus 24598*
Polypodium vulgare 77533*

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Item

Polyporaceae 50141
anatomy and physiology 41889*
Canada 67617
Far East 243*
Southern States 8303
taxonomy 32960 33015 24096* 67605*
Western States 8292 67596 67617
Polyporales 33660*
Polyporus 41531 51269 16088*
Polyporus abietinus 719
Polyporus annosus SEE Fomes annosus
Polyporus circinatus 16888
Polyporus hispidus 25191
Polyporus lignosus 33181*
Polyporus palustris 41829 51243
Polyporus pargamenus 719
Polyporus rhizophilus 68185*
Polyporus schweinitzii 25077 16009* 50315*
Polyporus tumulosus 9247
Polyporus versatilis 719
Polyporus versicolor 27053 90364
Polypropylene 65182 39344*
Polysaccharides
in algae 69214
in animal physiology 80290 80354 91615*
in bacteria 8566
in blood 19808
in fungi 77485
in grain 57129
in insects 13050 29223* 37931*
in legumes 56970
in plants 16307 16635 18068 25015 33353 33898 34246 51533 51542 87485 77801*
reviews 77811
in seeds 57493
in soils 2039 18011
in sugars 48946
in wood 36128 71587 90447*
manufacture 56461
Polyscytalum 58773*
Polyspilota 29261*
Polyspora lini 34475* 59097* 67853* 86888* 86913*
Polystachya luteola 69824
Polystichopsis 8264
Polystichum braunii 77386*
Polystictus cotoneus 41531
Polystictus versicolor 9306 8727* 16608* 59432*
Polystigma ochraceum 59038*
Polystigma rubrum 86945* 86946*
Polystomellaceae 58767*
Polystyrene SEE Styrene polymers
Polysulfides SEE Sulfides
Polythene SEE Polyethylene
Polythoridae 13090*
Polytoma uvella 1360
Polytoxus 38358 73509
Polyuronides 19803
Polyvinyl acetate 90400
Polyvinyl alcohol SEE Vinyl alcohol
Polyvinyl chloride 48754
Polyvinylpyrrolidone 45613* 53931* 80689* 91139*
Pomace SEE SUBHEAD pulp UNDER names of fruit
Pomaceae SEE Rosaceae
Pomegranates 9607 93529 42922* 55481* 88882*
Pomelos SEE Pummelos
Pomological and Fruit Growing Society of the Province of Quebec 17307 22292

Item

Pompilidae
as predators 5301 82635
Great Britain 73789
Israel 82602
Northeastern States 64543
Spain 47092*
taxonomy 47122* 47123* 82653*
Pompiloidea 29625*
Poncirus trifoliata SEE Trifoliate oranges
Ponderosa pine SEE Pinus ponderosa
Ponds 35270 47616 80603 89070*
and insects 28881 55277 63861
construction 26414*
Italy 10368* 35470* 52929* 89819*
Maryland 81548
Michigan 21519 44428
New Hampshire 47262
New York 33465
Oklahoma 21765
SEE ALSO Farm fishponds
Ponerinae 82600
Ponick P 41203*
Ponies SEE Horses, pony
Pontania 5278
Pontania pacifica SEE Nematus pacifica
Pontania viminalis 47062
Pontederiadeae 24634
Pontopristia 47099*
Pools
livestock 31274 57253
milk 30550 47973
rice 57133* 57189*
wheat 31081 31206 39853
wool 39580
SEE ALSO Cow pools; Garden pools
Poona Agricultural College 76836
Poona Central Water and Power Research Station 35519
Poonac 30732
Popandopulo P Kh 67230*
Popcorn 17042 17047 17087 22478 48528 51670 69338
Popillia japonica
California 81389
control 46371 55217 55241 55572 63736 73106 91983 55181*
biological 37460 20562*
tests 12369
Great Britain 64389
parasites 38105
Switzerland 82320*
Poplar SEE Populus
Poplar-and-willow borer SEE Sternochetus lapathi
Poplar vagabond aphid SEE Mordwilkoja vagabunda
Popow W W 8035*
Poppy SEE Papaver
Poppy-seed oil 20411
Population 7731 66453
Africa 57851
Alps 7342
and food supply 7492 13424 30105 30109 32457 32458 38882 47635 47638 50160 56335 65058 65062 65063 74395 74396 83300 5919* 30119*
developing areas 5917 66377
India 7207 22495
Java 32128
Pakistan 9386
Philippines 85804
Tropics 38879

Item

Population--Cont
Appalachian Mountains 94610
British Cameroons 7336
Central America 40772
China 7787
Connecticut 58105
Europe 32134
fertility 85798
France 23434* 57633* 66875*
history 94615*
Iceland 7730
India 66830 85795 85798 92050
Italy 49415*
Java 32128
Louisiana 58103
Malaya 32135
maps 40769*
Michigan 94614
Middle Western States 31733
migration 57752 57778 58108 94532
Africa 7791 23378*
Alabama 40266 66876
Appalachian Mountain 94612
Canada 85792
costs 85796*
European Economic Community 40386*
Ghana 85530
Hungary 66879*
India 66874
Indiana 32131
Indonesia 85718
Kansas 58110
Middle Western States 32136
Mississippi 58104
Norway 32133*
Ohio 21906
rural-urban 32132 49412 57754 58107 58109 58112 58113
Brazil 85793* 85797*
Colombia 23431* 94279*
France 85796*
Great Britain 23433
Greece 76355*
Iowa 76354
Italy 15161* 40728* 49413* 49416* 58111* 76353* 85758* 85794* 85799* 94210*
Luxembourg 32130*
Mexico 94613
Minnesota 15162
Ohio 40746
Peru 49365*
Poland 66882*
Portugal 49419*
Southern States 66873
USSR 15160*
mortality 66883
Nevada 23125
New England States 94611
North Dakota 7727
Ohio 7725
Philippines 85804
Poland 49417* 49418*
policies and programs 15507
Polynesia 40771
Republic of South Africa 7728
situation and outlook 40773 49411*
South Dakota 7726
statistics 32140 40520 57774 85805
Belgium 40770*
France 49414*
Germany
East Germany 58106* 76356*

Item

Population--Cont
statistics--cont
Hungary 94615*
Latin America 13596*
Norway 23435* 32133*
Thailand 15163 32138 32139 40774 49420 58114 66881 76357 85800 85801-85803
Turkey 40775*
USSR 23436*
study and teaching 66878*
Texas 32137
USSR 66877*
Utah 32129
Virginia 7729 23432
Populin 79576
Populus
acreage and area 79119*
age 90461*
anatomy and physiology 18842 87260 16677* 42180* 59909* 60242* 68801* 68803* 69044* 79308* 87667* 88079*
bacterial diseases 8569* 24394*
bark 24207 59005* 77394*
biochemistry 51457*
breeding 26860* 26916*
Austria 90252*
Southern States 61923
USSR 25734* 35834* 44846*
Yugoslavia 26882* 79362*
conferences and congresses 2646*
control 2674
coppice 62239*
costs and returns 26741* 26705* 53222*
crowns 61783*
culture 10668*
Australia 26806 61826
Czechoslovakia 61828*
France 53265* 61817* 90142*
Germany 18955* 53296* 90108* 90246*
East Germany 71119* 71215* 71216*
Hungary 18967* 19014* 19017* 61961* 71099*
Italy 10662* 18691* 18868* 18872* 26824* 26918* 35729* 61955* 79194* 79225*
New Zealand 53469 90141
Northern Ireland 44660
Portugal 71074*
Rumania 10679*
Spain 10674*
Switzerland 61819*
USSR 61847* 62231*
Yugoslavia 44730* 79222*
cytology 77394*
disease resistance 59005*
diseases 15920* 24167* 24179* 50220*
control 50213* 86706*
ecology 631 87210*
fertilizers 79236*
France 10682*
Germany 10687* 10695*
Italy 35366* 35735* 44766* 79247*
Portugal 44769*
Yugoslavia 79240*
fungus diseases 8415 50311 24262* 86957*
Bulgaria 33317*
control 444* 456* 24394*
Czechoslovakia 77127*
Denmark 8286
Finland 8286
Italy 86843* 86844* 86860*

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Item

Populus--Cont
fungus diseases--cont
Japan 50348 275*
Norway 8286
Poland 16006* 16025* 41805* 50361*
Rumania 444*
Sweden 8286
Yugoslavia 86879*
Germany
East Germany 79189*
germination 42507*
growth 18835 18842 18799* 53222* 71104* 71115* 68801* 88079* 90110*
hardiness 19009*
harvesting 19091*
hybrids 18842 19324* 25734* 26854* 26860* 26882* 26904* 26916* 44846* 71190* 71499* 79209* 90252*
introduction 71169 71097*
Italy 53503*
labor 44866*
measurement 18799* 35714* 53222* 53251* 61783* 61795* 61847* 71115* 79181*
morphology 33584* 79328*
nutritional deficiencies 60040*
pest control
Czechoslovakia 20893* 20915* 73375*
Germany 86706*
Greece 29115*
Hungary 92246*
Italy 64065*
Poland 92242*
Rumania 12649* 24167*
USSR 37807* 92247*
Yugoslavia 37837*
pest resistance 92247*
pests 38366* 46652*
Canada 64112
Czechoslovakia 73375*
Hungary 12664*
Italy 50220* 81867* 81914* 92219*
Lebanon 12652*
Poland 12804*
Rumania 24167*
Yugoslavia 29142* 46652* 73400*
planting 2721 53374 90196 71229*
Czechoslovakia 71242*
Germany 10772*
East Germany 18984* 61854* 71216*
Hungary 19017* 35803* 35811*
Italy 35806* 53423* 53503*
Netherlands 15920*
Rumania 71190*
USSR 19012* 71244*
Yugoslavia 71239*
policies and programs 18691* 26705* 44586*
propagation 2740* 79362*
by cuttings 71169 18954* 19009* 71167* 90229*
pruning 44767* 53318* 71198* 79239* 90169* 92247*
equipment 71132*
pulpwood 19255* 19273* 19279* 27124* 45065* 79522* 79526* 79530* 90417*
seedlings 35811* 79328* 79362*
seeds 53374 53410 44831* 62083*
sites 26800* 79216*
soils 26836 10668*
Czechoslovakia 79216*

Item

Populus--Cont
soils--cont
Hungary 35803* 35811*
Italy 70336*
Mississippi 18835
Poland 71104*
Southern States 61923
USSR 71115*
Yugoslavia 71239* 79240*
Southern States 44761
statistics 79119*
taxonomy 32813* 51457*
thinning 61854*
underplanting 2757
USSR 67450*
varieties 61926*
Czechoslovakia 26932*
Germany
East Germany 87667*
Netherlands 71236*
New Zealand 53476
Pakistan 71169
Poland 71104* 71229*
Southern States 61923
USSR 18957*
virus diseases 86998
wildlife relations 19029*
wood 2994 19333 53570 53738 19091* 19140* 19241* 19318* 19324* 27193* 53503* 62083* 62208* 62231* 62239* 62253* 71499* 71616* 90461*
yields 18799* 44747* 61795*
Populus alba
breeding 71224*
culture 2660*
diseases 86726*
ecology 16219*
fungus diseases 24317* 86845*
hybrids 53370 44839* 71257*
identification 79195*
seedlings 26858*
wood 27191*
Populus angustifolia 76926
Populus balsamifera 71110* 86844* 90445*
Populus berolinensis 71616*
Populus bolleana 61967*
Populus canadensis regenerata 86910*
Populus canescens 19240* 23957* 26858*
Populus deltoides
culture 18857
fungus diseases 383 24364
growth 53397
morphology 50744*
pests 5230
propagation 90248*
soils 71110*
Populus euroamericana 26764* 44747* 53272* 79164* 79178*
Populus fremontii 76926
Populus grandidentata 2677 15714 53370 62172 79576 87620
bark 3002 90454
Populus laurifolia 71110*
Populus maximowiczi 32749* 71616*
Populus nigra
anatomy and physiology 68699*
culture 26833* 79340*
fungus diseases 33288*
morphology 15736*
Netherlands 35753*
New Zealand 47599
pests 46663* 55867*
wood 19351* 26833*
Populus nigra thevestina 26966* 42278*
Populus pruinosa 73753*

Item

Populus regenerata SEE Populus canadensis regenerata
Populus suaveolens 90248*
Populus thevestina SEE Populus nigra thevestina
Populus tremula
anatomy and physiology 68646 59086* 77807* 90081*
hybrids 44839* 71257*
measurement 10648*
morphology 59582*
pests 46663*
seedlings 26858*
Sweden 42133* 50045*
Populus tremuloides
anatomy and physiology 87620
bark 3002 50329
biochemistry 79576
Canada 90217
control 18915
diseases 8551 41794 67951 77091 86726*
genetics 27137 71284
Hungary 18848*
measurement 10643 18814
Michigan 15714
pulpwood 2934 19256 27136 27137 36069
wood 71284 71589
Porcellio scaber 29044 46777 12770* 55399*
Porcupines 26936 53437 64474
Poretskii A S 94899*
Poria 19189 67616
Poria hypolateritia 24297
Poria monticola 27053 90364
Poria vaporaria 45132* 62100* 90361*
Poria weirii 59089
Pork
analysis and composition 4199 48615 48616 57264 66092 75436 84607 12230* 48611* 48641* 63605* 75395* 91756* 91931*
and disease 73026 22611* 84751* 91850*
bacteria 39920 81350 6977* 31245* 37377* 48637* 84723* 91849*
canned 31245* 84760*
care and handling reviews 7009
chemistry 31455
color 48627
consumer preferences 12309 20549*
consumption 39940
contamination 4214* 22611* 22613* 57273* 91909*
cooked 57264
cookery 66092
costs and returns 12309 14995* 66760* 66761* 66770* 94442*
cuts 11681 57264 84607 66046*
defects 20543 48615 12203* 37366* 46281*
reviews 7009
fat 6892 6903 6980 11681 14382 28555 48674 84607 14378* 48611* 84635* 86019* 91458*
flavor and odor 12231 14377 20543 39965 48615 66092 63605*
freeze-drying 48698
freezing 22640 57286*
grading and standardization 14394
hydrogen-ion concentration 48627 91931*

Item

Pork--Cont
industry 14367 54994* 65987*
judging 39965 39969 48674
keeping quality 37425*
marketing 4179 12309 14362 93839 22594* 48650* 57256*
moisture 57245 12197*
nutritive value 81076*
packing 57286*
prices 66160*
processing 48706 81350 66084* 84751*
products 6903 48637*
properties 39965 57245
proteins 57294
quality 4174 4179 4278 14382 28578 31455 57264 63651 66038 75436 91925 12308* 14378* 28549* 28726* 36478* 37425* 46295* 55154* 57282* 72947* 91792* 91815* 91893*
refrigeration 73046*
regulation and inspection 90974 4265* 6962* 6977* 31290* 75395* 81258* 86019*
salted 6974*
sanitation 22611* 22613* 81279*
spoilage 31283 63605*
statistics 57317*
storage 31283
trade 41034* 86019*
vitamins 48698
waste 54719*
weight and measurement 12253*
Porocephalus armillatus 92029
Porocephalus crotali 81488 82141
Porohalacaridae 4962* 29322*
Porometer 58510
Porotheleaceae 15859
Porpax 67501
Porphyra 69184 34046*
Porphyra perforata 88234
Porphyra tenera 1382 9272
Porphyrellus 33005
Porphyria 91014*
Porphyridium cruentum 51061 68578 87292 88244
Porphyridium marinum 15842*
Porphyrinia 73858
Porphyrins 9262 34335 34336 42730 43003 74897
Porphyrorhegma n g 29702
Porrhomma 82180
Port wine 56531* 74614*
Porthetinae n sfam 29753
Porthetria dispar 29662*
anatomy and physiology 21395 82728 82729 55986* 82778*
Connecticut 21361
control 12634 46644 12659* 81891*
biological 37822* 46658*
diseases 29738* 55986*
eggs 13015* 46658*
Great Britain 5358 21369
habits and behavior 64620*
Hungary 73373*
India 55220
larvae 12627 46644 55986* 82778*
outbreaks 64066*
parasites 12633 12659* 64627*
populations 38442 92609*
pupae 13015*
Yugoslavia 64654* 81902*
Portici Centro Avicolo per il Mezzogiorno 80712*

*Text of this reference is not in English.

Item

Portier P 94919*
Portland M C H B Duchess of 76700
Porto Alegre Universidade do Rio Grande do Sul 23508*
Portulaca grandiflora 33966
Portulaca oleracea 1337
Portulacaceae 33661* 58677* 89069*
Portulacaria afra 89069*
Post hole diggers 13215*
Post oak SEE Quercus stellata
Postelectrotermes n g 21493
Posthitis 54952 81101 80348*
SEE ALSO Balanoposthitis
Posts SEE Poles; Fence posts
Post's Paper Mill Directory 36070
Potamogeton 42317
Potamogeton crispus 17795
Potamogeton pectinatus 1208 33495*
Potamogeton perfoliatus 82910
Potamophylax stellatus 56037
Potash
effects on plants 51090 51120 42802* 77562*
fertilizers 26233 18381* 26225* 26298* 70622* 79029*
citrus 61415 26237*
corn 61420
Egyptian clover 52701
Finland 10218*
forage plants 80324 26262*
grapes 26238*
grasses 78635
India 26239
Italy 26217* 26218* 26228* 26248* 26251*
jute 10177
pastures and meadows 89692 89696 89713
rice 26223*
soybeans 61420
statistics 70898
sugar beets 2323
tobacco 87646
in soils 59234 78379
Potassium 5929 10196* 78781*
conferences and congresses 19412 43983*
determination 30128 30146 44515 51485 53075 2522* 10485* 26329* 30525* 31587* 31588* 65303*
effects on plant disease 50286
effects on plants 8993 9188 16719 24847 24887 25099 33890 33892 34181 42544 42607 42630 42903 51107 51139 51140 51299 51422 59840 59874 59915 59940 59956 60067 68048 77617 87777 16539* 16744* 24821* 24997* 33827* 33887* 42594* 42658* 59350* 59386* 59677* 59799* 59929* 60109* 60170* 68053* 68693* 77582*
bibliographies 1004 42535
effects on seeds 25176*
fertilizers 18342 18598 18601 26361 35282 35294 43967 44515 53075 10300* 35316* 43946* 44200* 44292* 78736* 78742* 90162*
alfalfa 26261 44186 89640 89708 26357*
apples 33922 44155 78609*

Item

Potassium--Cont
fertilizers--cont
Atropa belladonna 35283*
Azalea 35394
bananas 78570
beans 52796 26265*
beets 8897 35404*
cabbage 70532*
Coniferae 53323
corn 52801 68629 89681 35419* 52857* 89702* 89774*
cotton 33448 18377* 26282* 44226*
Cynodon dactylon 35297 87919
Dactylis 89708 10200*
Denmark 70557*
field crops 52780*
flax 70544*
forage plants 70596
fruit 44291*
Germany 44267*
grain 70607*
grapes 10263* 44247*
Hungary 52780*
jute 10219
oats 10275
pastures and meadows 27756 26297* 70591* 78668*
peanuts 78732*
pineapples 35361
potatoes 52829 26215* 70633* 70654* 89719*
red clover 44146
rice 21393* 61428*
rye 70669
shrubs 44857
spinach 8897
subterranean clover 26350
sugar beets 52779* 52835* 70552* 70601* 78606* 78653*
Sweden 70559 44189* 44777* 52768* 70590*
sweetcorn 52796
sweetpotatoes 8867
tea 61328*
tobacco 70492 42528*
tomatoes 10313 26341* 70489*
trees 44857
USSR 89718* 89943*
wheat 61363*
fixation 35168 43961 52516 10048* 43956* 43965*
bibliographies 2086
in animal nutrition 23674* 23685*
conferences and congresses 19412
in animal physiology 19461 19537 19559 19596 19568* 19580* 19605*
in blood 12119 81040 12242* 19865* 19878* 54616* 54684* 62838*
in cattle nutrition 54436* 72232*
in cattle physiology 80445 62845*
in dog physiology 36818
in feed 56824*
in human nutrition 23674* 23685*
in insect physiology 92426 21393*
in milk 30518* 30525* 74828* 93316*
in plants 878 1099 1159 10244 19461 24780 25140 26261 26840 30128 30146 35838 42642 50941 51072 51216 51345 51396 51485 51569 52796

Item

Potassium--Cont
in plants--cont
68705 75342 77762 87483 89488 16781* 24791* 33888* 42708* 50978* 51349* 59886* 59946* 68649* 68926* 69162* 70667* 77494* 77528* 77824* 78716* 87507* 90542*
bibliographies 998
in poultry physiology 63270
in pulp and paper manufacture 62142*
in rat nutrition 36928
in sheep nutrition 46112
in sheep physiology 4131
in soils 2072 10038 10040 17935 17936 18015 26067 26500 33923 35153 35168 35171 43947 43957 43961 43967 52461 52518 52540 52549 52550 52555 52577 61117 70247 79252 2070* 10048* 10300* 26063* 26085* 43934* 43944* 43946* 43989* 52521* 70281* 70667* 78398* 78680* 90138*
Australia 26350
bibliographies 2080 2085
California 87777
Canada 2096 52516 52517
France 77528*
Germany
East Germany 52478*
Hungary 52780*
India 61158 78373
Norway 18034 35172*
Philippines 70288
Portugal 10017*
Sweden 10053 43980 70590*
Taiwan 89488 43984*
USSR 78400 17994* 43987*
Utah 26306
in sugars 31587* 31588*
in swine physiology 4212 55088* 91869*
in wine 65303*
Potassium bicarbonate 11493
Potassium bromide 87778*
Potassium carbonate 52752* 52828*
Potassium chlorate 11553 72250*
Potassium chloride 26840 51163 80213 44245* 90177*
Potassium cyanide 77413 22863* 53968*
Potassium ferrocyanide 13663* 39187* 56550* 56578* 74611* 83676*
Potassium fluoride 77413
Potassium gibberellate 1239 16610 87703
Potassium iodide 22441* 36527* 37100* 62635* 72959* 86935*
Potassium metabisulfite SEE Potassium pyrosulfite
Potassium nitrate 65509* 77522*
reviews 28522
Potassium oxide 40199 89697*
Potassium penicillin G SEE Benzylpenicillin potassium
Potassium permanganate 54822 90211 42834*
Potassium phosphate 10214* 70555* 87751* 87752*
Potassium pyrosulfite 31032* 79721*

Item

Potassium salts 26335* 42891* 52865* 78645* 79295* 89943* 89928* 89929* 89948*
Potassium sodium polymetaphosphate 39522
Potassium sorbate 14147 47805 57083* 65208*
Potassium sulfate 51163 89659*
bibliographies 1005
Potassium tartrates 57064*
Potassium thiocyanate 60048*
Potato aphid SEE Macrosiphum euphorbiae
Potato Association of America 1893
Potato chips 1897 6619 6707 14158 34927 39773 48439 65781 75168 75184 84287 84362 89155 93609*
reviews 14140
Potato dextrose agar 50199
Potato flakes 39738 48445 56934 93560
Potato Growers Association of California and Arizona 75078
Potato Handbook 48462
Potato leafhopper SEE Empoasca fabae
Potato psyllid SEE Paratrioza cockerelli
Potato starch 84362 87931 17607* 22323*
analysis and composition 31159* 48326* 84195*
chemistry 85100 6734* 30949*
discoloration 65759
manufacture 48443 6631* 6638* 6714* 6729* 6734* 39778* 48507* 75183*
situation and outlook 14131*
Potato Utilization Conference 48347
Potatoes 43646*
abnormalities 810
acids 30954
acreage allotments 65833
acreage and area 6738 6741 22450 48899 57011 76133 84402 93677 93678 31080* 94460*
analysis and composition 6636 30954 48335 56971 65723 75116 84287 6638* 6649* 22323* 48323* 70583* 75341* 84189* 93563*
anatomy and physiology 990 1005 1108 1172 1239 4439 8884 8891 8925 12509 16632 16668 24413 24789 24863 24887 25114 33944 33981 34228 42518 42525 42910 48479 50995 51163 51291 51378 52159 59866 60178 60196 68710 68765 68969 69005 69077 69105 77740 87678 87782 87931 88083 1053* 8948* 8997* 9205* 16607* 16640* 24819* 24962* 24963* 24974* 33921* 33986* 33991* 34100* 34150* 34159* 42472* 42604* 42647* 42724* 42733* 42742* 42752* 42909* 50957* 51070* 51071* 51121* 51147* 51239* 59799* 59941* 59953*

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Item

Potatoes--Cont
anatomy and physiology--cont
59998* 60048* 60194*
60262* 68275* 68401*
68588* 68681* 68682*
68690* 68792* 68893*
68895* 68910* 68957*
69004* 69087* 69110*
69267* 70070* 77545*
87689* 87756* 87760*
87763* 87817* 87823*
87852* 87925* 88024*
88042* 88070* 88084*
bibliographies 994
associations 75078
bacteria 48330*
bacterial diseases 8565
50434 50449* 50450*
86756* 86974*
conferences and congresses 16105*
control 522 3363
41940 16103*
biochemistry 16936 48469
60349 1326* 14187*
34286* 41961* 51506*
51530* 51531* 60323*
69247* 69268* 86928*
88126* 88143*
breeding 16444 25858
43597 43585 43601
43663 68431 69974
89180 9815* 34928*
52132* 69902* 69975*
Algeria 34937*
Bolivia 17579*
Bulgaria 70002*
California 69924
Czechoslovakia 1850*
Europe 43603
Germany 48344* 60870*
East Germany 17600*
India 52100
Israel 52139
Nebraska 17554
Netherlands 43603
17597*
New Zealand 33370
Peru 89141*
Poland 25806* 69955*
policies and programs 25818
research 69932
statistical methods 52159
Spain 9853* 17605*
USSR 60865* 69946* 69997*
89113* 89121* 89142*
89203*
canned 49724 31031*
care and handling 14126
14159 48423 84337
84368 86668 57061*
84370*
equipment 14177 22406
56073
reviews 84369*
study and teaching 84376
cleaning 22426* 38686*
38687* 38704*
equipment 39765* 47398*
conferences and congresses
1893 43604 16105*
consumption 6653 22349*
48344* 75073* 84144*
containers 14126 56073
65794*
contamination 6636 56971
65723 6649* 39712*
cooked 39659 57101 57104
84362 84371 15471*
cooling 6696 48423
costs and returns
Algeria 40659*
Australia 49228 85511
Canada 58037
Germany 40692* 57965*
84179*

Item

Potatoes--Cont
costs and returns--cont
Germany--cont
East Germany 92703*
Great Britain 7656
58015 58016 58018
58028
New Jersey 94492
New York 40654 66756
Poland 23372*
Sweden 58045* 94497*
USSR 14954* 15088*
31959*
credit 40301
culture 1897 9798 43645
60857 78761 1870*
25841* 43634* 52132*
60903* 89208*
Afghanistan 1851
Alabama 48493
Algeria 34892* 78135*
Arizona 69971
Arctic Region 33991*
Australia 18300
Bolivia 16177 89140*
Brazil 60901*
Bulgaria 34882*
California 69949 69956
Canada 78150 78154
Ceylon 25864
Connecticut 78161
Czechoslovakia 25871*
52325* 89205* 89207*
89235*
Denmark 69925*
Estonia 25794* 68401*
Florida 9823
Germany 17556* 17596*
17607* 34868* 48344*
60870* 69977* 74032*
East Germany 26376*
52107* 69976* 89183*
Great Britain 25820
34878 56136 89151
Idaho 43637
India 25848 52829
Israel 87975
Italy 52068* 89137*
Japan 1861 17007*
Latin America 1853*
Mexico 78146*
Minnesota 52873
Montana 17595 34915
mountain areas 69133*
69937*
Netherlands 34921*
42073* 52151* 52152*
Northern Ireland 1888
52128
Norway 60520* 78153*
Ohio 8925
Poland 89205*
Rumania 43591* 44312*
87949*
Spain 25872
Sweden 25850* 52067*
52079* 52085* 69927*
89185* 89224*
Switzerland 34907*
Trinidad 17583
Tripolitania 89132*
USSR 1845* 1847*
9843* 17560* 17612*
43600* 43619* 43623*
51610* 52144* 60878*
60880* 67906* 69947*
69996* 70005* 70693*
89139* 89176*
cytology 33645 24612*
42291*
reviews 87466
defects 6641 39736 48411
defoliation 511* 69908*
degenerative diseases
59791* 60217* 69133*
87850*
Delmarva Peninsula 75624
directories 75072

Item

Potatoes--Cont
discoloration 6708
31001 48472 65754
75184 84287 84291
93623 48400*
disease resistance 426
1848 24275 25858
33225 34927 41909
43597 43601 43663
50887 52100 58996
67820 8471* 16112*
16124* 17605* 25806*
25860* 33178* 41757*
41968* 41992* 42422*
50375* 58836* 67906*
68588* 69925* 69996*
70002* 89142*
Florida 9814
Germany 50468*
Nebraska 17554
Netherlands 17597*
60904*
Poland 8616*
USSR 67905* 86756*
86904*
diseases 24863 86657*
Australia 8357
Austria 367*
control 46451 58898
87126 50182* 58913*
86693*
Finland 41614*
Sweden 25850*
Washington 86649
dried 50199
discoloration 65815
feed 12217* 19389*
28597*
flavor and odor 48321
keeping quality 93643*
properties 65784
vitamins 49724
drying 6721 48444 48445
65784 65815 65224*
93643*
equipment 6706*
ecology 42647*
enzymes 14166 16632
39634 39646 39647
77796 1326* 24899*
75109* 84204*
equipment 50500
47354* 47358* 64837*
farms 23298 85511 14972*
23239* 57975* 65838*
feed 4226* 28596* 40692*
53792* 56953* 93474*
fertilizers 2287 25099
52860 60178 61395
70581 24819* 24974*
35292* 42048* 42604*
50957* 70633* 87823*
Australia 10192 18275
bibliographies 1005
California 26347
Canada 52712 78684
Czechoslovakia 52845*
52865* 70662*
Estonia 25794*
Finland 10276*
Florida 61078
France 61430*
Germany 18261* 35336*
44240* 44244* 44264*
Great Britain 52761
Hungary 70583*
India 25848 26214
52829
Ireland 2332
Italy 10230*
Maine 78667
Netherlands 89761*
Norway 26215* 52788*
78153*
Rumania 70602*
Sweden 52694* 52745*
70606* 78555*
USSR 2328* 18338*
26201* 26245* 35289*

Item

Potatoes--Cont
fertilizers--cont
USSR--cont
35347* 44205* 44223*
47390* 52818* 52986*
64866* 68910* 70589*
70654* 78562* 89677*
89719*
flavor and odor 39712*
for processing 1843 34927
39718 42525 43585
48439 75155 75159
75168 84362 89155
6638* 56953* 69942*
93609*
forage plant 60520*
forcing 33987*
frozen 39659 57101 84346
fungus diseases 479 8498
8540 16065 24240
24246 33225 41729
41834 41994 67820
67947 75201 86791
8471* 8502* 16057*
24333* 24345* 33197*
33342* 41751* 41857*
50268* 50281* 50375*
51121* 86785* 86866*
86928* 86965*
Brazil 24222* 33178*
California 33315
Canada 15969 33205
33309 33300*
Connecticut 86790
control 10042 41923
67859 15972* 24373*
33236* 50304* 86807*
86837*
Australia 24306
50306
California 8465
Canada 33310 24347*
Delaware 16014
Denmark 15994*
Great Britain 77121
Idaho 41773
India 24318
Indonesia 58919*
Italy 8509*
Maryland 15889
Netherlands 16046*
24277* 33220*
Norway 16007* 50384*
86794*
Ohio 50426
Rumania 33302*
Sweden 50316*
USSR 483* 511*
8417* 8520* 58993*
Czechoslovakia 41757*
Europe 41772
Germany 33318*
Great Britain 427
41759
India 50378
Israel 41876
Japan 59068*
Maine 86790
Mediterranean area 41772
Minnesota 50321
Norway 50320*
Poland 86775 86748*
Scotland 50272 58938
USSR 24335* 67773*
67804* 67905* 67906*
86902* 86904*
Yugoslavia 58944*
futures 6665* 17597* 39674*
39690*
genetics 50877 52100
59700 68431 42388*
42422* 68515* 77449*
reviews 87466
Germany 40586*
germination 1238 24860
58018 25844* 25863*
30072* 34883* 34905*
42517* 51401* 68589*
74081* 88018*

*Text of this reference is not in English.

Item

Potatoes--Cont
grading and standardization 22387 22392 39700 39718 48400* 48403* 57025* 75151*
equipment 22394 22402* 39708* 39714* 48410* 56183* 57026*
hardiness 9815* 24893* 69997*
harvesting 65781 86668 17571*
California 371
Czechoslovakia 89207*
Denmark 5754*
equipment 5744 5779 69936 21608* 21609* 38686* 38687* 38690* 38704* 47409* 56182* 74108* 92833*
Czechoslovakia 56185*
Germany 21630* 38689* 38692* 38697* East Germany 21623* 21624* 47405* 47424* 92840*
Great Britain 64870 83107
Netherlands 47432* 92853*
Norway 5776*
Sweden 56173*
USSR 5753* 5756* 5762* 13235* 13238* 13255* 29936* 47354* 47392* 47398* 56183* 92815*
Finland 34942*
Germany 9810*
East Germany 26376*
Italy 52091*
labor 14798 40376 14788*
Peru 84370*
USSR 511* 9826* 59156* 89143*
Yugoslavia 67995*
harvesting date 33981 9834* 60875* 87760* 87850* 89135* 89199*
history 33315 43665 25812* 65674*
hybrids 1053* 41757* 60923* 69975* 69997* 73248* 77449*
industry 48284 57123 75622 84170
Africa 75073*
Arizona 75078
California 75078
Canada 39618
Czechoslovakia 50449* 56940*
Europe 39622*
Florida 93537
Germany 39622* 84179*
Greece 6622
Japan 84152*
Mauritius 6630
Netherlands 6614* 84182*
New Zealand 84160
Pennsylvania 48307
Southeastern States 48297
USSR 65670 14038* 48293* 75162*
injuries 371 57068 64870 86668 8377* 21608* 34150* 50245* 77032* 86609*
irradiated 6726 33733 84362
irrigation 26450 50995 61556 88083
Austria 44355*
Great Britain 70791 70819 78873
Israel 41876

Item

Potatoes--Cont
irrigation--cont
Rumania 78782*
USSR 52986* 70842*
judging 57031*
juices and sirups 31599* 74933*
keeping quality 93652*
labeling 75163
labor 58015
loading equipment 56073
losses 14189*
male sterile 43634*
marketing 1876 6741 22450 48374 48395 56997 57011 57012 75130 22412* 30217* 31023* 84267*
California 93585
Canada 39669 84237 84266 84268 84281
Colombia 5961*
Connecticut 78161
costs 65750*
Europe 39622*
Florida 65731
Germany 6675 14096* 30217* 39622* 75639* 84267* 93592*
Great Britain 6693 14089 84174
Idaho 75141
Maryland 56995
Netherlands 39689* 65750* 75135* 75136* 93595*
Northern Ireland 1888
Virginia 56995
mechanization 13125* 47291* 73981*
Germany East Germany 92703*
Great Britain 82936
mountain areas 47308*
Netherlands 38632* 82954*
USSR 82974*
morphology 87308 59382* 68275* 68398* 68401*
nematode resistance 24465 68058 16165* 24481* 50554* 52150* 59212* 68062* 68083* 77449* 89146*
nematodes 8625 8644 16164 16177 33433 8645* 16186* 16187* 24479* 24483* 33452* 68060* 77277*
control 68058 87126 16165* 24481* 42055* 50554* 59203*
Germany 42067* 87136*
Idaho 50528
India 50550
Latvia 68075*
Netherlands 615* 42073*
Sweden 50539*
USSR 8624* 68061* 68073*
Europe 42060
Germany 24482*
Great Britain 24452
Hungary 42076 24473*
India 8631
Mediterranean area 42060
Poland 42068* 73258*
nutritional deficiencies 16606 16529* 42604*
nutritive value 22349* 23693*
packing 6675 6690 6693 14126 14159 48423 22412*
pest control 4624 4652 46451 81629 81689 16007* 50182*

Item

Potatoes--Cont
pest control--cont
Arizona 28979
biological 29050 12515*
Brazil 28951*
Bulgaria 92104* 92086*
Canada 4595 12447
Delaware 4598
Ecuador 63936*
Germany 37684* 63904*
India 29011
Maine 58898
Maryland 15889
Netherlands 63968*
Poland 4617* 46475* 86693* 92130* 92131*
USSR 12443* 37620* 63896* 63919* 73192* 92064*
Washington 55423
pest resistance 43601 73248* 81665*
pests 37669 37670 46506 55427 82504 55430* Brazil 73190* Bulgaria 73234* Europe 46439 Germany 12938*
habits and behavior 55865 29349*
Hungary 46508*
identification 12938*
India 29025 29026 55442
Maine 55455
Mediterranean area 46439
Netherlands 28998*
Poland 4638* 81729*
Scotland 81704
USSR 37640*
Washington 73239 86649
physiological diseases 1170 42532 77496 33859* 34149* 42905* 59122
planting 25805 69936 89125 17589* 89227*
Bulgaria 69312*
Czechoslovakia 89218*
equipment 13217 47390* 64866*
Germany 64860* 74060* East Germany 83072*
Hungary 74081* 74082*
USSR 47370* 56138* 56158* 74080* 83077*
Estonia 25794*
Germany 69977*
East Germany 70001*
Hungary 69923*
India 25840
Japan 1861
Pennsylvania 52093
Poland 9807*
USSR 43600* 52103* 52108* 52158* 69968* 87640* 89202*
planting date 25794* 34938* 60875* 69937* 89158* 89199*
policies and programs 48284 48426
Argentina 30896*
Czechoslovakia 75065* 84140*
Germany East Germany 65696*
Great Britain 84174
Republic of South Africa 6625 84168
USSR 14020* 14052*
pollen 51291 43634* 69004*
pollination 51291 68431
prices 6738 31023 75637 93676--93678
control 48426 14131*

Item

Potatoes--Cont
prices--cont
Germany 48427* 84179*
Great Britain 76133
Idaho 57046
Poland 94460*
processed 31001 48350 57071
California 48453
Maine 48459
marketing 14091 31067
Northwestern States 48482
Red River Basin 48446
Southeastern States 48431
processing 6730 6731 14149 14166 39738 39773 48472 75180 75189 75202 75241 84312 84364 93623 14152* 31017* 39777*
reviews 14140
production regions 93553*
products 14091 14149 57071 6714* 14599*
propagation 1053* 51506* 68275*
properties 14158 37669 65781
proteins 22343* 65721*
pruning 89117*
purchasing 22348
quality 1005 25099 26450 39700 75159 84368 22412* 44205* 69110* 69908*
California 75155
Canada 39669
France 14110*
Germany 75151*
Montana 17595 34915
Norway 26215*
Sweden 52079* 78555* 89224*
USSR 2328* 68910*
refrigeration 48469 84350*
regulation and inspection 48405 84286
seed 8603 13217 25805 25840 43585 48479 52093 68765 87957 87975 89125 89151 1845* 34232* 42517* 51147* 52132* 59953* 60262* 74108* 87760* 88024*
Australia 52148
Bolivia 17579*
Canada 39628 78150
certified 48899
Australia 84972
California 30989
Germany 17555
Maine 30996
Minnesota 22399
Norway 16116*
Scotland 69979
Switzerland 68018*
Tasmania 84954
Finland 41614*
Germany 17580* 17606* 34868* 34883* 34905* 60870* 68665*
grading and standardization 17589* 39707* 48402* 93604*
Great Britain 34878 81629
Hungary 60862*
India 34920
industry 75052 30922*
Italy 52068 39780* 52091* 89137*
Japan 29012*
losses 14196*
Netherlands 63968* 82954* 84284* 88084*
Northern Ireland 52128
Poland 75705* 89120*

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Item

Potatoes--Cont
seed--cont
policies and programs 22285*
Poland 93528*
quality 17555 1875* 17598* 25794* 42604* 52092* 84284* 89117* 89158*
regulation and inspection 30996 52068* 56999* 87015*
Rumania 43591*
statistics 39780*
storage 17602* 17626* 25863* 31051* 43591* 57061* 60262* 89227*
Sweden 56999* 57061* 87015* 94497*
Switzerland 50494*
tests 17601* 17629* 86657*
trade 75052 48889 40982* 50494*
treatment 522 1239 9835 51378 87782 14196* 16007* 25082* 34899* 43623* 43626* 43647* 51070* 52120* 58913* 68588* 89208*
USSR 9834* 9853* 17612* 52108* 60865* 60880* 69968* 78562* 89139*
vernalization 33968 42488* 74080* 87640* 87949*
Yugoslavia 67995*
seeds 48889 42647* 44244* 47358* 68589* 89135*
situation and outlook 30929 48285 48286 48305 48310*
Czechoslovakia 75065*
Europe 48290
European Free Trade Area 15377
Germany 48308* 84144*
Great Britain 48290
Poland 6621* 56953* 94460*
size 22387 25805 33981 69105 93596 57025*
soils 24863 35120 87126 78409*
Australia 18300
California 52859
Canada 78684
Florida 59866
Germany 43969* 44240*
East Germany 26376*
Indiana 34228
Minnesota 52873
Netherlands 77032*
Poland 10079*
USSR 68690* 70654*
spoilage 84312
spraying and dusting 8884 51163 60196 64931 86693* 92064*
Canada 33310
Colombia 15972*
Great Britain 35033 41649 77121
Norway 41677* 50384*
sprout prevention 6726 8884 39736 48470 57076 75228 31010* 31043* 48460* 69087*
sprouting 8925 36946 39736 51378 57076 68710 69105 89151 25082* 34100* 34286* 86657* 87817* 87852*
statistics 6738 22447 57123 84402 93677 93678
Alabama 48493
Florida 93676

Item

Potatoes--Cont
statistics--cont
Germany 39784* 75628* 75629*
USSR 65838*
Venezuela 22452*
storage 1897 31023 31054 39736 43645 48462 48479 57068 65781 75168 84362 87931 89155 14187* 31043* 33987* 69267*
Algeria 78135*
costs 38843 39776
Denmark 5754*
diseases 15969 39751 48411 48473 75201 93651 14189* 14196* 65787*
equipment 5880 22394 22406 57052 39754* 48410* 48480*
Finland 34942*
Germany
East Germany 92703*
Great Britain 13383 39776 56073 93002
humidity 65787*
Hungary 48460*
losses 21737* 57114*
Netherlands 39777* 75212*
New York 6696
Norway 14192*
Peru 84370*
pests 29123*
Red River Basin 14177
reviews 84369
structures 21735 57052 21733* 21737* 38846* 56316* 65794*
Canada 38843 38844
designs and specifications 57056
Great Britain 83278
Norway 13388*
USSR 13397*
Sweden 84351*
temperature 6707 48447 56316*
ventilation 13388* 14183* 14192* 65224* 75240*
surpluses 48374
tests 6641 22343*
trade 15377*
transportation 14126
utilization 30963 48351 17596*
conferences and congresses 48347
varieties 1848 1897 1901 24465 25114 25820 33981 34927 42532 48899 52137 59700 67820 69105 75159 89155 24893* 25812* 34928* 41968* 42014* 43634* 69004* 77237*
Algeria 40659*
Arkansas 1843
Austria 88070*
Belgium 78164*
Bulgaria 24398* 24399* 69909* 70002* 77214*
California 39751 75155
Canada 33400
Colombia 41909
Czechoslovakia 1850*
Denmark 69925*
Europe 43603
Florida 9814
Germany 34899* 43629* 43664* 50468* 52084* 52150* 57965* 84195* 89115* 89146*
East Germany 17600* 48326* 69976* 89148*
Great Britain 33645

Item

Potatoes--Cont
varieties--cont
Hungary 60862*
Idaho 60872
India 990 25805 25843 52129 52829 57104
Japan 25822
Lithuania 25860*
Maine 52114
Nebraska 17554
Netherlands 43603 31080* 52151* 52152* 60904* 89244* 93609*
New Hampshire 52114 78140
New Zealand 33370
North Dakota 14158
Northern Ireland 1889 48889
Norway 78153*
Pakistan 60874
Poland 8616* 9807* 69942* 89191*
Scotland 43648 69979
Spain 17599*
Sweden 25850* 52067* 52085* 69927*
Switzerland 9827* 34907* 69965*
USSR 17627* 59212* 60899* 67905* 68062* 68083* 69945* 69950* 81665* 89174* 89190* 89203*
Utah 41981
Vermont 52114
Wyoming 1896 89209
Yugoslavia 69960* 69989*
vines
feed 3070* 27594*
killing 17609 41649 52115 13191* 17571* 25863* 34900* 39712* 89157* 92769*
virus diseases 542 553 555 8582 8609 16668 24408 24418 24421 33390 33400 41965 41994 42035 46506 50512 68000 68029 81626 538* 8575* 16112* 16113* 16124* 16147* 24425* 33366* 33377* 33395* 41961* 41971* 41976* 41992* 42014* 42026* 42048* 42647* 50485* 59114* 59185* 67987* 68030* 68039* 70002* 77214* 77217* 77237* 87035* 87042* 87068*
Bolivia 17579*
Bulgaria 24398* 24399*
conferences and congresses 41983
control 572 12447 20701 41964 81629 87022 33402* 63904*
Austria 73259*
New Zealand 33370
Poland 42052* 89120*
reviews 87078*
Scotland 42039
Sweden 87015*
USSR 16146* 59170*
Yugoslavia 67995*
Czechoslovakia 42042* 50503*
Denmark 87058*
Europe 50494*
Finland 24429 8604*
Florida 9814
Germany 16135* 50468* 59122*
East Germany 42028*
Great Britain 585
Hungary 24411* 46508*
India 24446
Japan 29012*

Item

Potatoes--Cont
virus diseases--cont
Norway 16116*
Poland 8616* 12466* 25806*
Scotland 42039 55464
South America 24437
Spain 24424*
Switzerland 68018*
transmission 565 4642 8603 8644 20695 20699 20701 20771 37654 37670 50500 55427 12466* 37652* 46444* 46514* 46518* 55381* 55430* 63904* 63968*
USSR 33396* 50499* 59156*
Utah 41981 42034
Yugoslavia 87041*
vitamins 48455 84362
waste 13893 14149 27634* 47775*
weed control 17703 17788 17810 52175 56224 56225 35013* 43745* 50182* 89330*
Bulgaria 89323*
Canada 78187 78199
Czechoslovakia 52325*
equipment 38678 56124 64931
Florida 60974
Germany 33921*
Great Britain 35033 35060
Northeastern States 52307 52314 56971 60947
Sweden 52221*
USSR 70070* 89355* 89357*
yields 2287 6738 26450 51163 52137 61395 69105 69974 93677 93678 14196* 17589* 42488* 51239* 69908* 69946* 88024* 89158*
Austria 88070*
California 26347
Canada 52712
Czechoslovakia 52325* 84140* 89218*
Estonia 25794*
Finland 10276*
Florida 59866 61078
France 61430*
Germany 39784*
East Germany 70001*
Hungary 70583*
India 25805 25840 25848 26214
Maryland 15889
Norway 26215* 60520*
Pakistan 60874
Sweden 70606* 78555*
USSR 1875* 2328* 9401* 17560* 26201* 26245* 35430* 43626* 44205* 52092* 52120* 52158* 52986* 66937* 78562* 89117* 89174* 89677*
Wyoming 1896 89209
Potebniamyces balsamicola 33008
Potentilla 1317
Potentilla puberula 76937*
Potentilla reptans 29587*
Potentilla verna 76937*
Potentiometry 66001* 90446*
Potergus 46820*
Poterium sanguisorba SEE Sanguisorba minor
Pothyne 55717 46816*
Potier de la Varde R A L 41153* 41161*
Potosia hungarica 21142*

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Item

Potsdam Institut fur Ernahrung 41064*
Potsdam Veterinarunter-suchungs- und Tiergesund-heitsamt 90696*
Pottia neimii 50598*
Potting mixtures 2711 9986 16715 35089 35341 43494 43891 51419 52800 71234 78120 78578 10167* 51867* 78407* 90187*
Poulard wheat 23906
Poulton E B 82084
Poultry 12024* 28359* 63366* 63367*
abnormalities 3946 28312 37108 72721 20240* 28307* 37041*
advertising 80700
age 3966 12005 12016 20160 20263 20268 28344 46037 63305 72712 20188* 54692* 54801* 63266* 72589*
anatomy and physiology 11963 28291 28340 37081 46033 63285 72636 72700 91450 3934* 11965* 11966* 63329* 80785* 80859* 91558*
as laboratory animals 54833
associations 37143
Algeria 40084*
Italy 63345*
Netherlands 57413* 57426*
Spain 91572*
Switzerland 72740*
Australia 3997
bacteria 3937 80733
Belgium 90796*
breeding 3988 19364 20131 28184 54688 72461 80722 72467* 80707* 90502* 91364*
Bulgaria 3824* 54692* 54732*
Czechoslovakia 79642*
Denmark 45872* 45873*
effects of disease 3891
effects of drugs 11869
effects of feeding 11868 11899 20167 20259 28227 45945 54722 72547 91385 91460 28220* 54712*
effects of housing 47547*
effects of temperature 63349
Europe 28167*
Germany 36964* 45887* 72487* 80708* 80716* 91604*
East Germany 20127* 28170* 28180* 63205* 63211* 91360*
Great Britain 3832*
history 63221*
Hungary 11872* 20243* 28165* 45888* 72710*
hybridization 3838 20136 20137 45869 63201 72454 72455 72466 91507 11874* 28179* 45879* 54712* 63212* 80756* 91360*
Australia 28176
Japan 91365*
Poland 72478* 72488*
reviews 36959*
Sweden 28204*
Uganda 80723
USSR 45885* 63218* 72484*
Yugoslavia 80711*

Item

Poultry--Cont
breeding--cont
inbreeding 3814 3840 72457 72712 91507
Australia 63213
Republic of South Africa 28174 80718
India 91362
Italy 80712*
linebreeding 20125
Netherlands 28177*
New York 3823
Philippines 63210
Republic of South Africa 45883
research
statistical methods 20117 20129 20136 45876 91354 36966* 45889* 91370*
USSR 36965* 45878* 45881* 63220*
breeds 3837 3862 11865 19364 36969 36973 45869 45943 45986 80723 91378 3819* 3835* 20122* 28167* 63250*
Bresse 63202*
Cornish 11870 91365*
White 80715*
Erevan 45878*
Fayoumi 11863
Junglefowl 72466
Leghorn 4006 20137 46068 80713 54718* 54719* 72488* 91600*
Brown 3818 63262
White 3826 12016 20267 36961 54689 63213 72457 72741 91386 28307* 72478* 72584*
Single Comb 20132 74293
Moscow 72516* 72626*
New Hampshire 3966 20132 20137 20173 63247 72485 45961* 80711*
Peach Blue 80711*
Plymouth Rock
White 45875 28179*
Polish Greenfoot 72488*
Rhode Island Red 37108 54692* 63208* 63214* 72460* 72478* 72488* 91600*
Russian
White 20171* 45961* 72626*
Stara Zagora Red 54732*
Sussex 72488*
White Rock 91557
broodiness 54785 63278* 72746*
carcasses 22764 63371*
analysis and composition 20146 63370*
disposal 13419 91562
quality 20153 28229* 72626*
regulation and inspection 7161* 28353*
yields 63370* 66175*
care 4006 11936 12042 20236 20284 20303 46066 54818 54833 80910 91589 28368* 28383* 37125* 72750*
Algeria 37127*
Australia 3978
Canada 75662
France 28376* 72709*
Germany 91604*
East Germany 72734* 80920*
Hungary 72716*

Item

Poultry--Cont
care--cont
Italy 3982* 37118* 37119*
Netherlands 54842* 54856* 63361* 72751*
New Zealand 91579
Northern Ireland 54848
Norway 4007*
seasonal 28382 37133* 91570*
Spain 20293*
Sweden 54841*
USSR 91597*
color 3820 93180 3835* 72478* 80797*
conferences and congresses 12039 66181 91602
cooling 3998 28382
cooperatives 66178 57406*
costs and returns 5855 20138 32009 32040 49342 75631 76248 85654 92961 94450 94520 94495*
Algeria 40647*
Australia 23245 66755 76156 76245 85661
Bulgaria 7615*
California 85629
Canada 40690
Czechoslovakia 66626* 94512*
Delmarva Peninsula 94527
Germany 76110* 85662*
East Germany 37130*
Great Britain 23248 32047 32057
Hawaii 23352
Italy 91596*
Michigan 40695
Netherlands 32068*
New York 49263 85660
Scotland 7665
Uganda 32065
Venezuela 58030*
Virginia 23312
credit 14699 22748 23035 49022
culling 12032 72745
Australia 66755
Hungary 80919*
Netherlands 63375*
New Zealand 48833
cytology 3911 11871 20211 28291 28344 37044 86098 54830* 72634*
Czechoslovakia 63368* 91599*
deficiency diseases 3940 72642 54738* 54740* 63236* 63295*
reviews 54802*
degenerative diseases 72677
Denmark 54837*
digestion 63293 80728 91469 20251* 37050*
directories 31480 63350 66152 72718 93992
disease resistance 28169 45985 63274 91343*
diseases 12012 20252 20257 37038 45979 72546 72681 28279* 63288* 80813* 80850* 91529* 91552*
Australia 3936
causes 63313* 91542*
conferences and congresses 28346 37053 37073 45950 46014 72659
control 19595 28244 82848 28255 54816 72672 91495 91540 54852*

Item

Poultry--Cont
diseases--cont
control--cont
Hungary 20243* 72648*
Maine 3899
Netherlands 54832*
USSR 11942* 54809* 54828*
diagnosis 28248 45959 72690 20189* 28267* 63292* 66180*
effects of age 37074
effects of feeding 72570
Greece 11928*
Japan 91511*
Nigeria 37055
prevention 28248 46018 54818 45964* 91490*
France 54749*
Germany
East Germany 37103
Spain 63316*
transmission 28286 28288 11996*
treatment 28259 46045 91486 3129* 11928* 63322*
egg production 3877 4012 5855 12020 12027 12032 12033 12042 28366 37137 46066 48856 49342 63365 63369 72453 72702 72712 72721 72722 72735 91578 91582 20298* 28383* 45961* 63266* 63282* 72458* 72589* 72726* 91596*
Belgium 63354*
Denmark 91563*
effects of age 54854* 63215* 63309* 72742* 91587*
effects of breeding 3814 3822 3823 3829 4006 11863 20136 46068 54689 54698 72465 72475 80713 91363 11400* 54692* 72482*
Australia 28176
Bulgaria 63215*
Denmark 45872*
Pacific area 63219
Poland 72488*
Uganda 80723
USSR 45879* 63206*
effects of chemicals 72609
effects of disease 54760 63265 11929* 46000* 46064*
effects of drugs 11869 11890 28833 45894 72652 72656 72698 72704 91412 91457 11875* 80738*
effects of feeding 3850 3853 3854 3856 3857 3858 3868 3871 3874 3883 7131 7138 11868 11879 11880 11884 11889 11892 11895 11896 11897 11899 11900 11904 11912 14557 20147 20154 20160 20166 20174 28187 28191 28192 28195 28199 28216 28218 28228 36979 36995 36996 37002 45893 45894 45906 45913 45914 45928 45941 45945 54711 54715 54731 63228 63229 63239 63252 71658 72489 72492

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Item

Poultry--Cont
egg production--cont
effects of feeding--cont
72499 72508 72509
72512 72517 72519
72524 72539 72556
72557 72562 72570
72576 72577 72580
80726 80736 80741
80743 80744 80747
80750 80760 80761
80774 91385 91386
91388 91390 91391
94103 91406 91410
91411 91412 91415
91421 91422 91424
91431 91442 91455
91456 91460 91466
3864* 3867* 20163*
36997* 45917* 63348*
72490* 72525* 72553*
72555* 72561* 72734*
80777* 91413* 91417*
91423*
Australia 91384
Bulgaria 54717*
54718* 54719*
Czechoslovakia 91464*
Florida 72518
Germany 36999*
Ghana 54720 54721
India 91444 91448
New Zealand 72511
Puerto Rico 72529
USSR 54700* 72558*
effects of housing 4006
46068 74293 91363
91584 92961 12037*
37122* 38798* 92966*
92972*
effects of light 5900
5902 12035 12036
12043 20126 20302
28373 37128 54840
72741 91566 63348*
72715* 72742*
effects of temperature
3992 3993 20295
72711 54700*
Germany
East Germany 72739*
Great Britain 46060
Hungary 28372* 46074*
74010* 80903*
Netherlands 3990*
Northern Ireland 54848
Rhode Island 54846
Rumania 91567*
seasonal 72752 91390
91421 63348* 66679*
80738*
equipment 5855 83245
74016* 92958*
exercise 28349 72700
farms and ranches 15054
32342 76351
Bulgaria 7615*
Estonia 66679*
India 80912
Indiana 23369
Italy 80811*
layouts 47267*
management 3987
3988 5848 12021
12031 12033 13403
14968 28340 31941
32009 32040 76207
91573 94450 28368*
72750*
Arkansas 76135
80773
Australia 23245
49284 76156
Bulgaria 31970*
Canada 23279
23282 94374
Czechoslovakia 66626*
66631*
Delaware 83233

Item

Poultry--Cont
farms and ranches--cont
management--cont
Germany 38827*
72487* 76110* 76169*
Great Britain 23263
66665
Hungary 11872*
28372* 45888* 66165*
72710*
India 3996
Italy 91595*
Middle Western States
57916
Missouri 12041
Netherlands 23288*
New York 7670
49263 85660
Northern Ireland
85607
Republic of South
Africa 7624
Spain 92958*
Sweden 94351*
Western States 72720
Nigeria 37055
Republic of South Africa
85554
Southern States 94356
USSR 91490*
feathering 12001 20137
28338 45875 91546
11956* 63208*
feed relationships 3856
3868 3882 3886
11907 11936 20126
20146 20236 20295
45904 45933 45938
45943 63254 72533
72534 74301 80766
80767 91385 28204*
37132* 54744* 80746*
80752*
feeding and nutrition 3988
11882 11903 11915
12016 13893 20155
20164 22147 22694
28217 28232 28833
28834 30728 30730
37088 45897 45909
45927 45934 45937
45947 45963 54706
54710 54725 54791
54833 63225 63231
63232 63234 63242
63293 63301 72503
72504 72527 72546
72585 72708 80728
80733 80748 81180
91381 91414 91436
91450 3842* 3869*
20279* 28179* 28310*
45890* 45891* 45896*
54723* 54773* 63236*
63240* 80758* 80765*
91389* 91423*
Africa 36974
Algeria 36991*
Arkansas 80773
Australia 72532 76156
91434
Bulgaria 3824* 54732*
Canada 91409
conferences and con-
gresses 63604
costs 6426 54736
66754
Czechoslovakia 45907*
72552*
deficiencies 11879
20234 20265 28200
28202 36974 36995
37102 45942 46004
72531 80770 80881
91420 91461 91466
20210* 72555* 91533*
Denmark 80730* 80731*
equipment 20149
21583* 74012* 74016*

Item

Poultry--Cont
feeding and nutrition--cont
Germany 3859* 11922*
63227*
East Germany 20162*
20172* 28219* 36985*
80920*
Hungary 72497* 72579*
India 11906 91388
91448
Italy 12022*
Japan 72542*
Maine 80745
Norway 36987* 54727*
Poland 80780*
recent developments
3028 3046 3056
3863 11910 45892
45905 54703 72571
3875* 54713* 63244*
80779*
Republic of South Africa
54730
research
linear programming
11897 80734 80762*
statistical methods
80767 91420
restricted feeding 28221
28228 36986 37003
72509 80735 80743
80759 91392 91403
91415 54745* 63241*
72490*
Rumania 93447*
seasonal 3856 63249
80761
Switzerland 28222*
USSR 80726 12195*
37341* 54728* 55142*
91574*
West Virginia 80735
Yugoslavia 91401*
fertility 11868 20126
20132 20268 72471
72477 72547 72749
91377 91378 91406
91460 46015* 63215*
72458* 72715* 91368*
flock size 94374
flockbooks 63205* 80708*
futures 40094 75623
genetics 3813 3816
3820 3822 3823
3829 3831 3840
3908 11864 11865
11871 20117 20120
20124 20129 20130
20136 20137 28169
28171 28184 36963
36967 45875 45876
54689 63201 72453
72454 72457 72463
72465 72481 72485
72653 80722 91354
91359 91363 91375
91380 20134* 45889*
54723* 63208* 72478*
80861*
statistical methods 91352
germ-free 11990 38814
80839 80840 80865
Ghana 37134
grading 7130
Great Britain 36969
growth 5848 11882
11936 11955 11970
12043 20137 20146
20153 28209 28232
45904 45906 45869
63228 63279 63369
72457 72534 72581
72708 72741 80726
80897 91420 91432
11875* 28204* 28205*
28226* 28229* 37132*
45961* 54744* 54745*
54855* 63250* 63267*
71662* 72516* 72693*
80727* 80752*

Item

Poultry--Cont
habits and behavior 20221
28371 37139 38655
45910 46072 54845
63355 72724 72725
80915 91482 91592
20290* 28365* 80913*
hatcheries 5836 7156
accounting 76230
Denmark 54837* 63351*
directories 46075
63350
Great Britain 12018
Louisiana 57424
Middle Western States
93982
Netherlands 57403*
Pennsylvania 46067
sanitation 46065
72717 63352*
Spain 74007*
statistics 22746 84868
hatching 3905 12018
12040 20120 20125
28360 46063 72635
72712 72717 80927
3833* 28386* 45964*
46073* 54850* 54855*
63352* 63374* 72737*
72742* 80913*
Bulgaria 12019* 63214*
Republic of South Africa
12038
study and teaching 72748
Uganda 32065
history 28363* 54847*
home raising 37055
46076 54860
housing 5836 5855
12042 13420 37113
74291 74293 74301
91584 83234*
Algeria 38815*
Australia 38796
Belgium 65002*
Brazil 65003*
construction 30052
92961 30039* 38795*
costs 23312
designs and specifica-
tions 5853 30046
30064 47554 56294
64985 74274 13357*
47557*
El Salvador 74275*
equipment 47557*
47561* 64990* 83249*
Germany 38827* 47532*
49101*
Great Britain 83243
heating 21710 30063
38813* 64999* 74306*
humidity 30042*
Hungary 74283*
insulation 5857
13354 13358 74292
lighting 47547*
Netherlands 54842*
New York 30053
New Zealand 56278
Pennsylvania 21700
portable 91570*
sanitation 3980
13361 28315 30038
73174 83245 91495
20278* 20281* 37573*
72734* 74308* 91539*
92972*
Spain 38798* 92958*
temperature 28249
30046 91576 91579
47547* 47552* 54700*
74308* 92966*
USSR 13158*
ventilation 5849
5857 12012 13354
13356 28249 30038
46027 74292 74295
83233 91589 38813*
47547* 63313* 64999*

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Item

Poultry--Cont
housing--cont
Virginia 56274
West Virginia 83242
hybrids 3836 20141 54693 63203 80700
immunization 3917 46011 80888*
in philately 91569
industry 3845 7170 14538 22770 28244 31468 48854 57430 57447 66164 67050 72546 94797 14512 40092*
accounting 7128 14699 23321 94465 94467
Africa 37131
Argentina 14525*
as an occupation 7126
Australia 14545 31464 80911 93983
Belgium 66176*
California 7164
Canada 84894
Ceylon 75660
Delaware 80906
Delmarva Peninsula 3976
East Africa 75634
Europe 40087 54835
France 20292*
Germany 7177* 28281* 82379* 75628*
Great Britain 3983 7122 7134 45979 20292*
horizontal integration 75636*
Hungary 22760* 66147* 66165*
Illinois 22765 22768
India 80912 91586
Indiana 37123
Italy 14511* 31425* 63345* 84874*
Japan 7150*
Maine 63363
Mauritius 12028*
Mediterranean area 75633
Middle Western States 48865 84897
Missouri 54849
Netherlands 57442*
North Carolina 40106
occupational diseases 54799* 72613*
Pakistan 84911
Pennsylvania 46067
Poland 93988*
regulation 7145 14532 66168
research
statistical methods 93966
Sweden 28379*
Thailand 66182
Uruguay 14510*
vertical integration 7157 14516 22744 22748 23035 40094 40108 40120 48837 75621 84897 91540 94520 7140* 31428* 66153*
Canada 22775
Great Britain 31478*
Louisiana 57424
Yugoslavia 14546*
West Africa 37126
infectious diseases 28330 46044 80892 91553 20206* 20210*
causes 54766
control 3922 91468 91562
Mozambique 63331
resistance 72653 91522*

Item

Poultry--Cont
infectious diseases--cont
treatment 20213
injuries 11957 11958 91496 91547
Italy 12022
Japan 20296* 28370 91591*
labor 40389 40390 57781 49101* 94219 94253*
laying contests
Australia 80922 80923 91598
Belgium 80914
California 3981 37117
Israel 3994
Republic of South Africa 3985
litter 3984 4587 12025 38796 46071 56278 72552 83243 28387* 47552* 63240* 72714* 72753* 91574*
losses 28249 28315 66150 3990*
Georgia 28333
Hungary 45954*
marketing 7158 19595 41016 48837 48859 48866 57412 57421 84904
Algeria 37127* 40084*
directories 21824
Europe 66156 66174
Germany 66169
legislation 93955
Southeastern States 57416
Yugoslavia 14546*
meat production 3987 3988 4011 20307 37136 37090* 45961* 46028* 63371* 80765* 91574* 91600* 93946*
Alabama 63356
Algeria 37138*
Arkansas 46058
Australia 80911
effects of age 72626*
effects of breeding 20138 72455 72476 72728 80702 91375 28179* 36970* 63217*
Canada 20134*
Germany
East Germany 20122*
Poland 72488*
Republic of South Africa 45874
Sweden 28204*
USSR 45879* 63218* 72484* 80719*
Yugoslavia 80711*
effects of disease 20257 37084 91496 45955* 80876*
effects of drugs 20146 28240 20156* 72693*
effects of feeding 3850 3855 3870 11878 11883 11886 20151 20153 20157 20168 20169 20294 28191 28215 28223—28225 28233 37000 37003 45908 45926 45930 54708 54726 54731 63226 63248 63254 72496 72538 72560 72728 80751 91392 91399 91402 91405 91439 28203* 28205* 28226* 28229* 36980* 36984* 36992* 54732* 63243* 63250* 72521*

Item

Poultry--Cont
meat production--cont
effects of feeding--cont 72554* 72626* 80732 80752* 80756* 80762 80771* 91418* 91443 91446* 91462*
France 11887 91427* 91428*
Germany 91604
East Germany 11913
Netherlands 36978
Philippines 54702
Poland 91425 91458*
Sweden 28204 80757
USSR 72516* 72540* 72541*
Yugoslavia 11893* 91465*
effects of housing 5848 74301 28361*
effects of sex 72728
effects of temperature 20285
Germany
East Germany 28380*
Hawaii 3999
Israel 3994
Missouri 12041
USSR 54853* 91575*
Yugoslavia 12026*
mechanization 13126 64805 82981 13158* 21558*
reviews 38623*
metabolism 3865 3872 3888 3961 11877 11925 12016 20164 20222 28294 36982 45921 45937 45938 46006 63301 63338 72646 72686 80737 80766 80768 80769 80838 91452 91472 91517 91518 3901* 12006* 20215* 28186* 28500* 37112* 37341* 63275* 72595* 91509* 91528*
molting 3924 3957* 28290* 37121*
mortality 20236 20295 46004 48833 66150 74301 76156 76248 80799 63313* 63317* 91471*
multiple births 11995*
nests 29878 29882 38655 74005 74022 83010
Netherlands 37124* 57930*
Norway 3991*
oviposition 21586 37099 63336 72587* 80913*
ovulation 11964 20248 20249 37102 46015*
parasites 62469 72638 20206* 54808*
Algeria 37029*
control 54755 54781* 72596*
Estonia 46030*
Spain 63316*
transmission 91513
Yugoslavia 63276*
pest control 12383 12403 28833 28861 46384 81496 92045 12418* 63806*
Arkansas 12379 55342 55343
Australia 55346
California 28909
Ceylon 92038
Colorado 55268

Item

Poultry--Cont
pest control--cont
Czechoslovakia 63836*
Germany 63857*
USSR 12416* 12425* 20618* 37573* 46393* 55328*
Washington 4462 81460 81461
pests 46382 46384 73155 73179 12408* 55303* 55350* 81559*
Australia 4463 12413
Israel 28874
New Guinea 82190
New Jersey 81520
Poland 28868
Turkey 4532*
Philippines 63353
poisoning 3898 11961 20266 28236 28925 37508 60990 91480 12418* 54742*
Poland 72713* 80918*
policies and programs 14518 14526 31435 31468 57412 57430
Algeria 40101*
Asia 66159
Germany
East Germany 14534*
Netherlands 57414*
New Zealand 57428
Uruguay 14510*
prices 7123 40089 40100
Canada 84894
control 22624*
statistics 56733
production regions 66147* 84913*
products 31462 48849
and disease 79816
containers 14540
grading and standardization 22776 47720
marketing 40103 57439 93949
prices 56733
regulation and inspection 22776 31456 93952
statistics 83581
trade 40987 58244 58245 58262 58297 58306 67100
Asia 40987
Canada 93949
Latin America 67100
records and testing 4001 4006 4010 4011 20283 28385 36967 37136 37137 46061 54857 72730
Arkansas 28356 46058
Australia 72732
Canada 28385 91593
Czechoslovakia 28375* 72744*
equipment 21586
Germany 80716*
East Germany 28380* 46069*
Maine 63362
Netherlands 28357*
Rhode Island 54846
Sweden 80899*
reflexes 37099
regulation and inspection 19595 20257 28255 90747
Georgia 28333
Germany 66180*
East Germany 37084
research
linear programming 91587*
statistical methods 3813 20283 72453 72744*
respiration 72592

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Item

Poultry--Cont
respiratory diseases 3921 20182 28245 28278 37004 37075 45946 45981 72615 80835 37051* 54747*
Georgia 28333
India 28280
treatment 28239 46049*
restraint 72747*
sanitation 91562 11942* 20206* 54749* 54809* 54852* 91490*
selection 3821 12005 23172 36963 54688 72481 80706 91375 91454 20282* 36965* 36966* 45887* 63204* 63206* 63217* 80703* 80717* 80721* 91370*
sexing 45994 3832* 45879* 54836* 91571*
shows 28364*
situation and outlook 7136 7159 14530 14542 22742 22754 31449 31458 31465 31476 31486 66149 66151 66161 66162 66177 75641 75653 48843*
Algeria 40117*
Canada 31431 40099 84900
European Economic Community 84880*
Germany 48829* 66158* 93957*
Great Britain 84873 93980
Hawaii 48149
Netherlands 57441*
New England States 40098*
Norway 31452*
Poland 93989*
USSR 75614*
Virginia 7133
slaughtering 63364 36992* 37129* 54782* 57407* 63373* 72729* 80890*
Spain 12023*
statistics 48733 48847 57425 57444 93956
Brazil 48725*
California 22746 84868
Canada 7120 84869
France 48835*
India 31323
Louisiana 57425
New Jersey 22645
Poland 93989*
Virginia 93956
Wisconsin 14441
study and teaching 12047* 54838* 54839* 54851* 63359* 91580*
surgery 72607 37014* 63282* 63283* 80826*
surpluses 14518
systems 37113 72736 91363 28354* 37118* 72726*
battery 3883 11890 12383 13126 20287 28256 28355 28371 37135 46004 72580 80701 80902 3864* 12023* 20229* 28361* 36999* 37116* 63281* 72552* 72671* 72739* 91574* 93946*
New York 30053
Republic of South Africa 80916
Rumania 91567*
colony and range 3885 46068 72735 20206* 93946*

Item

Poultry--Cont
systems--cont
confinement 20191 38796 46068 80743 12037* 28358* 37122 37130* 38798* 46070 66626* 72734* 80920 83234* 91595* 92972
Germany 46078
Great Britain 3821
henyard 20229
Hungary 46074* 80926
Rumania 91570
started pullets 12031 75654
taste 45963 72507 91592 54707*
taxation 66435
temperature 20267 37086 72615 91551 91557 80859*
Togo 20299*
trade 7867 19595 40961 40962 40973 40974 41001 41016 41017 67033 67036 67043 94749
Ceylon 63347
Europe 41001
European Economic Community 67099
Yugoslavia 14546*
transportation 14539*
types 7126 7136 7158 11896 12042 14542 20124 20284 20303 28259 31476 31486 31941 40089 40100 45869 45875 54767 66162 66164 66177 75637 75665 91472 93955 94467 3835* 11874* 14512* 36980* 72467* 80721* 84907* 91603*
Algeria 36970*
Australia 14545 31464 93983
Canada 40120 84894
Czechoslovakia 94512*
Denmark 45873* 80730*
Estonia 63250*
France 11887*
Germany 28180*
Great Britain 32057 93980
Netherlands 54842* 63361*
Republic of South Africa 45874 80909
Sweden 28204* 54841* 85536*
USSR 45878* 72484* 72537* 72540* 72541* 80754*
Yugoslavia 14546*
Uganda 91378
viability 3814
vices 63347 72731 28365*
virus diseases 20187 28278 37036 37088 63298 91485 28262* 80864*
diagnosis 63286*
immunization 54819
Tasmania 54775
Thailand 63271
vision 3975 4008
waste 22131 84882 91399 28190* 31472*
watering 3889 11881 20191 37082 45910 72557 72567 3893* 28229* 54750* 80815* 91515*
equipment 21584 56103 56294 47327*

Item

Poultry--Cont
weight and measurement 20124 20126 20236 20307 28172 63338 74301 72481 91380 91472 37090* 37112 46028* 63370* 63371 91493* 91533*
SEE ALSO Capons; Chick embryos; Chicks; Cocks; National Poultry Improvement Plan; kinds of poultry; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Poultry meat
advertising 7142 14519 14543 66157 93973
analysis and composition 66166 75643 40114* 91600*
Austria 54782*
bacteria 40104 40124 75642 84864
canned 84883*
care and handling 40115
chemistry 31455 75618 14531*
color 3870 28191 82833
consumer preferences 3870
consumption 14520 40116 57420 75415 93959
Georgia 74438
Japan 31442*
Oregon 7132
contamination 4588 6912 11931 28833 31440 45955* 48851* 84908*
cooked 48849
cookery 15426 15427 23677
cooling 14552 22764 75642
cooperatives 7153 40113
costs and returns 48855 66750* 84874*
cuts 66163
defects 20303
dressing 7139 7168 7169 63364 75632 93972
fat 3877 75666*
flavor and odor 7165 48682 48845 48846 74479 80751
freeze-drying 75657
freezing 14527 84879 84912 40085*
frozen 14527 22767 30188 31451*
grading and standardization 7130 7137 14555 22776 75635 75671 91496 91547
judging 74479
keeping quality 7124 7165 40104 40097* 84891*
labeling 7153
losses 31432 31434 31437 84881
marketing 14521—14523 14529 14543 31433 31444 40115 57410 57420 57449 93959 93994
conferences and congresses 22756
Germany 14562*
Idaho 48857
New England States 48855
North Central States 14551

Item

Poultry meat--Cont
moisture 14552
nutritive value 32473 28361* 45955* 94826*
oxidation 75618
packed 22762
packing 7166 7168 7169 75632 84714 93963 84891*
prices 14521 14522 31476 75631 93959 31442*
processing 7128 7165 14699 22778 40088 48852 48863 84864 22755* 84902*
costs 84892
Europe 40096
Great Britain 84895 84896 14513*
Indiana 75661
Michigan 84892
Netherlands 14513*
New England States 48855
sanitation 14559
USSR 7121* 40109*
quality 14538 20285 20294 22778 31455 57438 75665 84878 54707* 93946*
refrigeration 84881 57446*
regulation and inspection 7137 22776 31432 31434 31457 75671 7161* 40119* 80825* 80876*
Alabama 31437
Germany 31439* 75626*
East Germany 31441*
USSR 7121*
sanitation 57446 75632 28353*
situation and outlook 31433 40123 84888 93984 67090* 84907*
spoilage 40124 75625
sterilization 84912
storage 14527 30188 84864 93963 14531* 57407*
tenderizing 20294
tests 75625 84908*
trade 7896 15384 40986 41036 41038 58254 58257 58274 58289 67090*
Asia 40986
Europe 58274 94749
Germany 14562*
Switzerland 7896 15384
transportation 14551 57415
vitamins 75657
weight and measurement 93963

Poultry Products Inspection Act of 1957 31456 93952
Poultry Stock Improvement Plan 72718
Poults
abnormalities 46077
anatomy and physiology 37007 28332*
care 20288 20306
diseases 37083
feeding and nutrition 3866 3884 3928 11919 11924 20177 37083 54716 54726 54734 72495 72505 72573 80873
growth 3923 11924 20306 54716 54734 80873
infectious diseases 3915 45978 91470 63289*

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Item

Poults--Cont
marketing 37142
mortality 63264 80873
poisoning 11959 28329 55261 91494
Povan SEE Pyrvinium pamoate
Powder-post beetles 29155 55583 64086*
Powdery mildew 67856
apples 376 67807 77117
barley 15980 42399 50891 86804
cucumbers 58960 86933 41849*
Cucurbitaceae 461 41765
Foeniculum 24315
fruit 24307
grain 41807
grapes 404 455 24209*
lettuce 24342
ornamental plants 24307
peanuts 249
Rosa 391 24260
safflower 24205 33347
strawberries 67780
vegetables 24307
wheat 50397 50891
Power 56848 21756* 37451* 56089* 73973* 78854* 83294*
bibliographies 64770
SEE ALSO Electric power; Electricity; Hydroelectric power; Steam; Wind machines; Wind power
Pox SEE Cow pox; Fowl pox; Horse pox; Pigeon pox; Sheep pox; Swine pox
Poznan Instytut Ochrony Roslin 41722*
Poznan Wyzsza Szkola Rolnicza
Katedra Technologii Miesa 65965*
Pozoa n g 67474
PPLO SEE Pleuropneumonia-like organisms
Praekatja n g 47130*
Prague Narodni Museum Entomologicke Oddeleni 64255*
Prainae n sfam 92556*
Prairie Farm Rehabilitation Act (Canada) 15117
Prairie Garden 34588
Prairie grain wireworm SEE Ctenicera destructor
Prairie View (Texas) Agricultural and Mechanical College 7778
Prairies
Iowa 50593 52664
Missouri 59284
Nebraska 2168
North America 77957 58609*
Oklahoma 33458
Prangos 58668*
Prangos pabularia 60330*
Praocis 82288*
Praon 38407
Prasiola stipitata 59422
Prasophyllum elatum 67451
Pratylenchus 16164 50549 24480* 68086*
Pratylenchus alleni 42062
Pratylenchus loosi 24466
Pratylenchus penetrans 16166 16168 16182 33431 50543 50560 59214 87134 59210*
Pratylenchus pratensis 50553
Pratylenchus zeae 24461 33425
Praxithea derourei 20855* 20856*

Item

Prays citri 12580*
Prays oleellus 4693* 20831* 37742* 64016* 64017* 81738*
Precipitation 19063 35277 44345 52181 86423 2037* 35118*
Argentina 32586*
artificial 10349*
Australia 7613 12170
Brazil 41219*
Bulgaria 88829*
Connecticut 32582
Corn Belt 32585
Czechoslovakia 89894*
East Africa 59261 59891
effects on fertilizers 26219* 61123*
effects on fungicides 33231 86830*
effects on insecticides 55216 55217
effects on insects 4623 29476 64243 64623 73548 82464
effects on plant disease 475
effects on plants 1074 9153 10189 16536 19055 24663 32657 42603 42818 60375 68629 84484 42859* 59792* 59884* 68704* 68916*
effects on soils 2455 35155 70171 70190 70222 70205* 70227* 70570* 70850*
effects on trees 2773 16604 19055 44841* 51296 19066* 44821* 61853* 70953* 90263*
El Salvador 25995
Germany 61089* 61090* 61091*
Great Britain 78826 86243
Great Plains 34201 70841
Hawaii 78851
Hungary 60451*
India 9399 21594 44448
Indonesia 61180
Italy 49868* 44392*
Ivory Coast 60137*
measurement 23821
53061 67268 76781*
Netherlands 89891*
New York 2748
Nigeria 26475
Norway 17982
South Carolina 8081
Spain 25333
Texas 23822 86244
Turkey 35589*
USSR 61584 76779* 78305* 90280*
Washington 61131
SEE ALSO Hail; Raindrop erosion; Snow
Precipitin test 16153 16161 27461 50518 51474 73142 73667 91123 11976* 12010* 19778* 27471* 27896* 28668* 31241* 31254* 45570* 45678* 54033* 93035*
Precis clelia 73826
Predators SEE names of predators; and UNDER specific subjects
Prednisolone 80533 11834* 36665* 36744* 63664*
Prednisone 11787
Prefabrication SEE SUBHEAD prefabricated UNDER Buildings and kinds of buildings
Pregnancy SEE UNDER Livestock and names of animals
Pregnancy disease 12134 20387 28502 28514* 37221*

Item

Pregnancy toxemia SEE Pregnancy disease
Pregnant mare's serum 4036* 11421* 36539* 53742* 54888* 54963* 72767* 72780* 72792* 80071* 80390* 91306* 91317* 91368*
Pregnenolone 36936
Premerge 78228
Premna 32715
Premnobius 21093
Premnotrypes vorax 63936*
Prepackaging SEE Packing; and SUBHEAD packing UNDER specific subjects
Preparation 23 SEE Dimethyldithiocarbamic acid ethyl esters
Preparation 30 S 46557*
Prepuce 62403*
cattle 27567 45399 45409 45548 11569* 36448* 62789*
goats 20322
sheep 54970
swine 63636*
Prescott S T 86162
Prescott and Breed test 22028*
Preservation of food SEE SUBHEADS canning; drying; freeze-drying; freezing; irradiation; lyophilization; preservatives; processing UNDER Food and names of commodities
Preservatives SEE UNDER specific subjects
Preserves SEE Jellies and jams; and SUBHEAD canning UNDER Fruit and names of fruit
Pretoria University of South Africa
Bur of Market Research 21836
Preussia 15857
Prezluso L 8053* 67196*
Přibyl E 41164*
Prices 13462 21870 30272 39026 49042 56366 56393 56395 57936 58009 65116 74505 83519 83520 93139 5956* 18607* 93129*
Australia 7669
Austria 39027* 49617*
Belgium 13521* 93123*
California 32033
conferences and congresses 56449 21863*
control 56443 93119 56451* 65188*
Brazil 30263* 30264* 83515*
France 22625*
French Overseas Territories 85467
Germany 65192*
East Germany 83517*
international 30260*
USSR 47764 13487* 22624*
Venezuela 13520*
Europe 65195
European Economic Community 7894
farmer's share 30266 39018 39025 47768 74523 76086 83519
Europe 39018
France 83518*
India 75354
forecasting 56446 75637
France 14888 65187*
Germany 30269* 39017*
East Germany 39024*
Great Britain 74503
history 14553
bibliographies 83513

Item

Prices--Cont
Illinois 65191
indexes 6025 83514 84420 6024* 48568*
France 23709*
Germany 30261* 39017*
East Germany 74501*
Pakistan 93127
Sweden 39020*
USSR 92128* 93135*
India 6023 30262 40333 47778 85555
Japan 39023* 65193*
Latin America 13596*
Montana 66766
Mozambique 56447*
Netherlands 93118*
New Zealand 21866
Norway 30268* 53594* 56444*
Pakistan 47823
Panama 13518*
parity 6453 39019 65194
bibliographies 74506
Poland 21804* 65126*
policies and programs 7513 30271 56445 58269 58270
Canada 14831
Germany
East Germany 23200*
India 23120 93116 93117 93120 93121 93124 93126 93130 93131 93132 93134 93136 93137 93242 93741
Poland 21869*
USSR 74500*
Portugal 83434*
situation and outlook 14721 47765 56450 65189 47767* 66559*
Spain 21867*
support 13517 14844 21865 39021 47766 56445 56452 57187 93125 56451* 93138*
Canada 21864 56448 30267*
Denmark 31908*
Germany 74844*
Great Britain 56732*
Louisiana 39799
Mississippi 7558
Sweden 39016* 39020* 83516*
Switzerland 30270* 66759*
USSR 47769* 65190* 66689*
SEE ALSO Cost and standard of living; Inflation; Statistics; Subsidies; and UNDER names of commodities
Pricklypear SEE Opuntia
Primaquine 4466 4492
Primidone 91345*
Primula 33815 24078* 41452* 69839* 88096*
Primula auricula 69854 69855
Primula denticulata 59604
Primula elatior 70115*
Primula farinosa 67604
Primula malacoides 25733*
Primula obconica 77628
Primula officinalis SEE Primula veris
Primula sinensis 9761*
Primula veris 32827 59561 59434* 70115*
Primula vulgaris 32827
Primula whitei 50033
Primulaceae 67517
Prince Edward Island Dept of Agriculture 94856
Pringsheim E G 49825*
Priocnemis 82602

*Text of this reference is not in English.

Item

Priocnemis parvulus 38418*
Prioninae 12809 82293 92363 92364 92412*
Prionocera 64403
Prionocyphon serricornis 12847*
Prionomerinae 46906
Prionoplus reticularis 21105 82251
Prionosceles 64396
Prionoxystus robiniae 29145
Prionyx 55896
Priophorus 5278
Pristiphora abietina 12630* 12657* 92238*
Pristiphora conjugata 47098*
Pristiphora discoidalis 47098*
Pristiphora erichsonii 5305 21345 29138 64097 64548 73768 81897
Pristiphora laricis 73779
Pristiphora pallipes 81816*
Pristophorodes 47130*
Privet SEE Ligustrum
Proavitheudes n g 47130*
Probatius 82249
Probolus 47084
Proboscis 29185*
Procaine 20086* 27366* 27587* 36295* 36676* 80531* 90827*
Procaine benzylpenicillin SEE Benzylpenicillin procaine
Procaine hydrochloride 58960
Procaine penicillin 30577 83959 3852* 11698* 53927* 91797*
Procaine penicillin G SEE Benzylpenicillin procaine
Procalmadiol SEE Meprobamate
Procamptomyia SEE Camptomyia (Procamptomyia)
Processing 40430* 65204*
  Canada 65144
  cooperatives 56474 74523 39030*
  developing areas 74512*
  effects on nutritive value 6713 14223 22519 22638 22949 30282 31048 39749 48434 48455 48698 57104 57293 57294 75598 75657 84836 93878 14139* 14286* 30679* 31031* 31038* 31214* 39732* 47777* 74510* 83548* 83549*
  France 47684*
  Germany 49227*
  labor 56495
  statistics 30291 47773 13535* 21875* 30289*
  Switzerland 30302*
  Virginia 6048
  SEE ALSO names of processes; and UNDER specific subjects
Processor-grower relations 6868 7176 7287 74646
  SEE ALSO SUBHEAD industry, vertical integration UNDER names of animals and crops
Prochoristis 47130*
Prociphilus 47036*
Procladius 12874
Procloperazine 72295
Proconilini 29554
Procrateria 38519*
Procris 5531
Procris pruni 12621*
Procris vartianae 55970*
Proctacanthus arno 73691
Proctacanthus nearno 73691
Proctophyllodes 12767*
Proctophyllodidae 12767*

Item

Proctotrupoidea 82619* 82620* 92558*
Procymbopteryx n g 29702
Prodasineura 82897
Prodenia eridania 64590
Prodenia litura 13030 55412 55448 55460 81717 92099
Prodenia ornithogalli 55920*
Prodomus 64510
Prodoretus pentheri 92392*
Producers' Export Co 32369
Producers Live Stock Marketing Association 66030
Production
  adjustments 7513 14666 32015 38957 47691 56391 56520 57658 57855 57883 58078 58087 58185 65117 65123 65145 75820 76029 76071 85388
    California 74651
    Hungary 66593*
    Illinois 66645
    Massachusetts 85496
    Pennsylvania 22952
  quotas 94192 31895* 31901*
  SEE ALSO Acreage and area, adjustments; Agricultural products; Agriculture, regulation; Policies and programs; Statistics; and UNDER specific subjects
Production Credit Associations 75885
Production functions in agriculture 23308 40251 94364*
Production theory 57920*
Productive capacity SEE UNDER Agriculture; Forest labor; Labor
Produktschap voor Landbouwzaaizaden 76554*
Produktschap voor Zuivel 13706* 83721*
Proefboerderij Heino 23292*
Proformica nasuta SEE Formica nasuta
Progarypus 92317*
Progesterone
  effects on cats 91194
  effects on cattle 3545 36442 62841 80316 36709* 72092* 80228* 90967*
  effects on dogs 27961
  effects on goats 37201
  effects on poultry 28237*
  effects on rabbits 54869*
  effects on rats 3801 28140 36932 36933 36936
  effects on sheep 28493 28517 46102 54959 72774 54963*
  effects on swine 55067
Progestin SEE Progesterone
Programs SEE Policies and programs; and UNDER Communities; Extension work; 4-H Clubs
Progressive pneumonia SEE Pulmonary adenomatosis
Prohendelia SEE Hendelia (Prohendelia)
Prohypotyphla 29417
Prohysterophora n g 5502
Proisotoma 38584
Prokopovich P I 4825*
Prolactin SEE Luteotropin
Prolais n g 47130*
Prolan 80048* 91277*
Proline 45912 50839 51469 73680 9251* 9252*
Prolinyphia 82180

Item

Promachus (Parapromachus) n sgen 82382
Promayetia SEE Mayetia (Promayetia)
Promazine 45828
Promazine hydrochloride 91256
Promecolanguria 21155* 82342*
Promenaea 9713
Prometone 17823
Prometryne 52313
Promintic SEE Methyridine
Proneella n g 64479*
Pronocera brevicollis 73618*
Propagation, plant SEE SUBHEADS propagation; rootstocks UNDER Plants and names and classes of plants
Propanol 2993 48794
Propazine 35149 35804 60987*
Propene 3-halo derivatives 75604*
Propenylbenzenes 51067
Property 7739 44594* 49363* 76098* 85844* 94413* 94668*
Propham SEE IPC
Prophantis smaragdina 29703
beta-Propiolactone 12014 57408
Propionates 37272 68708 72084 11280* 19486* 45298*
Propionibacterium freudenreichii 27260* 90968*
Propionic acid
  bacteria 6224* 27362*
    reviews 39374*
  fungicides 16045
  in animal physiology 11525 4144*
  in food preservation 22950 39054*
Propionic acid calcium salts 39054*
Propionic anhydride 4781 4789 4793 81937 81955 82006 81981*
Propionocarmine 76851
Propionyl promazine SEE Combelen
Propolis 37159* 37863* 37864* 72669*
Propomycelin 11343*
Proprioseiopsis n g 4941
Propyl ethyl-n-butylthiolcarbamate 52235
Propyl gallate 86837*
Propylene oxide 50238
Prorocentrum micans 68949*
Prosimulium 38171
Prosimulium albense 38230*
Prosimulium doveri 46961
Proso 86868 17035* 34374* 88331* 88333*
Prosopis 41408 43738
Prosopis chilensis 17840
Prosopis glandulosa 53329 34494*
Prosopis juliflora SEE Prosopis chilensis
Prosopis juliflora glandulosa SEE Prosopis glandulosa
Prosopis rinki 55916*
Prosoplus 46817*
Prosopocera 46815* 92347* 92348* 92378*
Prospaltella 82597*
Prospaltella berlesei 63976*
Prospaltella intermedia 82597*
Prospodium appendiculatum 8482
Prostate gland 11766 20028 91238 27987* 72355* 80542*
Prostemmiulus 4936
Prostephanus truncatus 92213*

Item

Prosthesis 63045 79814 19812*
Prostigmata 12776
Prostoserdov N N 32566*
Protacanthoides n g 92557*
Protaenophthalmus SEE Taenophthalmus (Protaenophthalmus)
Protea 67497
Protea pulchra 32846
Protea repens 167
Proteaceae 8911 59575
Protease
  in insects 21000 38329 29550*
  in plants 39436 861*
  in soils 70358*
Protein commodities 47635
  Congo 48727*
  consumer preferences 83371
  keeping quality 47664
  marketing 93835
  Nigeria 15469
  processing 39077 65235 6062*
  situation and outlook 5923 40074 93778
Protein fibers 6504 6601 84094
  reviews 22279
Protein hydrolyzates 48641* 54254*
Proteinase 21185 21903 48844 65541 29263*
Proteins
  acids 66005
  analysis and composition 5935 6783 6853 13717 13914 20870 30143 47662 47667 47668 48514 56352 56354 74404 83772 83774 84498 84846 38907* 57247* 65862* 74994* 83325*
  chemistry 6789 21785 83365 84205 6062* 21790* 30290* 39850* 39851* 57204* 83779* 84454*
    reviews 13439 56338
  conferences and congresses 30143 47667
  determination 48538 74425 38906* 47670* 48512* 74400* 75408*
  digestibility 37050*
  enzymes 30290*
  extraction 7314 45193 74519* 83977*
  hydrolysis 93036 6391* 74721*
  in animal nutrition 19379 19385 19390 19427 27283 45193 62300 72367 19387* 27277* 36184* 53800* 62330* 71641* 71700* 79702*
  in animal physiology 87569 2171* 79921*
  in cattle nutrition 3322 19691 19693 19735 19745 27607 27626 27680 36480 36519 45531 54144 54153 54214 54226 62641 90940 90941 3354* 3384* 3482* 11479* 45630* 54157* 62693* 62699* 62702* 72058* 72063* 72070* 80160* 80187* 80194* 90909*
  in cattle physiology 90965 36948* 54329*
  in dog physiology 20021
  in duck nutrition 45931*
  in goat nutrition 63457 81052*

*Text of this reference is not in English.

Item

Proteins--Cont
in goat physiology 54903 28476*
in goose nutrition 72549*
in horse physiology 80635*
in human nutrition 32422 32446 41043 41058 49685 49689 49732 49736 56333 58351 67107 67124 76583 76606 80652 86053 86060 86072 86074 94820 94827 41056* 67120* 76607* 86038*
in insect nutrition 55969 82424 20964* 20969*
in insect physiology 5170 20870 21179 29226 46720 55628 73492 82027 82108 20992* 56707* 82032* 82234* 82816*
in laboratory animal physiology 20106
in mink nutrition 63098
in poultry nutrition 3868 3871 11879 11894 11907 11923 20153 20165 20168 20179 28225 36979 36986 36996 37000 45898 45935 45937 45942 54720 54721 63223 63234 63253 72491 72496 72499 72501 72512 72548 72556 72559 72582 80739 80764 80767 80776 91390 91395 91422 91430 91442 91452 91454 91817 72558* 72574* 72674* 80746* 91428*
in poultry physiology 45935 63301 91461 91469 46028*
in rabbit nutrition 37146
in rat nutrition 36928 72434 81218*
in rat physiology 45857
in ruminant nutrition 36199 79703
in ruminant physiology 62301
in sheep nutrition 28441 54893 63416* 72812*
in sheep physiology 37214 37247 46146 91682 91683
in swine nutrition 4202 4261 12221 28583 28605 37315 37327 37338 37388 46180 46203 46206 46213 63603 72942 72954 81185 81201 81212 91817 12213* 20470* 28580* 28588* 28616* 28696* 46181* 46191* 46198* 55015* 55029* 72932* 72938* 72941* 81198* 81218* 91786* 91788* 91801* 91805* 91809*
in swine physiology 55021 50666 12254* 46264*
in turkey nutrition 3849 3879 37001 45903
nutritive value 67133 94819 5942* 23700* 38907*
properties 13758 56865 83345 57141*
sources 38881 74381 84554 84819 7954* 53800* 72574* 93035*
SEE ALSO names of proteins; and UNDER specific subjects

Proteinuria 54412
Proteleas n g 38386*
Protentomon 64719*
Proteus 39966 84687*
Prothidius 38379
Prothoracic gland 55633 29635* 46721*
Prothrombin 45273* 45564* 80875* 80945* 90970*
Protista 9007
Protium 58634
Protoanemonin 37158*
Protobathra 21366
Protocatechuic acid 70379 37926*
Protochlorophyll 60356 16911* 69255* 69270*
Protochlorophyllide 88121
Protoclythia californica 82387
Protococcineae 8279*
Protodamalis SEE Damalis (Protodamalis)
Protographium n g 21411
Protoneura ailsa 5599
Protoneuridae 82899*
Protoparce sexta 23187 28959 82661 82804
Protopectinases 69190
Protopelmus 47084
Protophanes 21245*
Protoplasm 753 16279 16822 42531 51007 51094 51123 51172 51309 51355 59380 87642 16327* 24919* 42283* 59390* 60019* 60086* 68229* 68410* 68842* 69003* 69040* 87435* 88170*
reviews 59794* 77479*
Protoporphyrins 43003
Protosilvius 64417
Protosiphon botryoides 9093
Protostelium 58802
Protostrongylus rufescens 63466*
Prototheca zopfii 26097 87579
Protoveratrine 54672*
Protozoa 3916 4533 12905 29272 62407 63489 71799 80210 10072* 36315* 58904* 61224* 62332* 62381* 63470* 68699*
Protrama 73742*
Protura
anatomy and physiology 21516
Japan 13082 13083 47244
Okinawa 47243*
taxonomy 5654 5652* 5653* 21484* 21515* 64719* 82865*
Provitamin A SEE Carotene
Prozina M N 23794*
Prüffer J 41205
Prune dwarf 87049
cherries 87016
plums 50488
Prunella 33750*
Prunes
advertising 84258
marketing 48373*
molds 75199*
quality 30991
situation and outlook 75067
storage 39753
trade 76539
Pruning 1663 92680
SEE ALSO UNDER Fruit; Trees; and names and classes of plants
Prunus 1317
bacterial diseases 8559
cytology 87286
fungus diseases 41788*
morphology 59538*

Prunus--Cont
pests 73827
rootstocks 9785
virus diseases 8576 33378 68003
Prunus amygdalus
anatomy and physiology 9109 16703* 25128 59627*
culture 9670* 25683 88974*
fertilizers 61435
fungus diseases 392 16037 16038 59038
irrigation 89856
Majorca 78097
morphology 59627
nutritional deficiencies 51085 87675
pest control 73298
pests 13043 81812 92187
planting 9686*
rootstocks 69796 88922*
soils 9670*
varieties 34694 60736* 88882*
wood 16939
Prunus armeniaca SEE Apricots
Prunus avium SEE Mazzard cherries
Prunus cerasifera SEE Myrobalan plum
Prunus cerasus SEE Cherries
Prunus collina 87299*
Prunus communis SEE Prunus amygdalus
Prunus fruticosa 41350*
Prunus laurocerasus 9291* 50811* 51357*
Prunus maacki 87299*
Prunus mahaleb 9301* 24649* 25609* 43396*
Prunus pennsylvanica 87014
Prunus persica SEE Peaches
Prunus serotina 35744* 79183*
Prunus subhirtella 41417*
Prunus virginiana 20879
Prussic acid SEE Hydrocyanic acid
Pryanishnikov D N 58406* 76728* 76738*
Pryeria sinica 92603*
Prymnesium parvum 87858
Pryzopsis hymenoides 25452
Psacaphora 82675*
Psalliota bispora 8943*
Psalliota campestris 88187
Psalliota hortensis 77085*
Psallus ambiguus 73303
Psallus (Asthenarius) n sgen 92500*
Psallus dilutus 47060*
Psallus seriatus 12459
Psammobotys n g 29702
Psammocharidae 47092*
Psammogeton biternatum 16302
Psammophytes 24494* 50596*
Psammotettix 38289* 64501*
Psammotettix striatus 73242*
Psathyrella 41542
Psathyrella panaeoloides 67649*
Psathyrella velutina 86562* 86595*
Psathyrotes annua 81026
Psathyrus 46817* 82225*
Psectra 56036
Psectrocladius 46923
Pselactus spadix SEE Codiosoma spadix
Pselaphaulax 29368*
Pselaphidae
Caucasus 12826*
Ceylon 29368*
Iran 82306*
Italy 38128* 38129* 38130*

Pselaphidae--Cont
Minorca 21124
Morocco 82218*
nomenclature 21087*
Pacific Northwest 82271
Palearctic Region 21087*
Portugal 29334* 46905*
Spain 29334* 46904*
taxonomy 55755 82265 82302 82316 73600*
Turkey 46904*
USSR 29335*
Yugoslavia 46871*
Pselaphogenius 21087* 46813*
Pselaphostomus 46813*
Pselaptrichus 82271
Psenulus 73783*
Pseudacrotaenia 38191*
Pseudagenia 5270
Pseudagenia rufiventris 55907*
Pseudagrion 21500
Pseudalastor n g 82599*
Pseudalecia 46880*
Pseudaletia separata 37479*
Pseudaletia unipuncta 12514 12994
anatomy and physiology 82659
Canada 38461
diseases 5526 47198
habits and behavior 38461
larvae 21405
parasites 5412
Pseudanabaena 68101
Pseudanurida billitonensis 92673*
Pseudaoria 21113
Pseudathyma lucretioides 55956
Pseudattalus 5048
Pseudaulacaspis 82562
Pseudaulacaspis pentagona 12923* 63976* 63977* 73300* 92521*
Pseudeuclea 46817*
Pseudeucoila 5100* 5169*
Pseudeuparius 46910*
Pseudeurotium 58769
Pseudeurotium globosum 33000
Pseudexentera habrosana 13024
Pseudipochira 46817*
Pseudisobrachium 38374
Pseudo-curly top 81709 82558
Pseudoalleles SEE Alleles
Pseudoarachniotus 8302
Pseudoblaps 92372*
Pseudobolbodimyia SEE Tabanus (Pseudobolbodimyia)
Pseudobotrytis 303
Pseudobryopsis 41522
Pseudobumilleriopsis n g 41510
Pseudocaecilius elutus 29815
Pseudocallicorixa SEE Callicorixa (Pseudocallicorixa)
Pseudocapritermes fontanellus 5627
Pseudocaryophyllus 58671*
Pseudocatharylla n g 21364*
Pseudocentruropsis n g 46817*
Pseudocercidis n g 12939
Pseudocercidis rosae 12939
Pseudochariesthes 82226* 92348*
Pseudochlorodesmis 50113
Pseudochoeromorpha 82225*
Pseudocloeon 73883
Pseudococcidae 12931 21275 82572 92527 73764*
Pseudococcus 21275
Pseudococcus brevipes 37692*
Pseudococcus citri 5216 5249 81723 81740 92179 92509 38310* 55494* 73251*

*Text of this reference is not in English.

Item

Pseudococcus comstocki 64011
Pseudococcus filamentosus 37732
Pseudococcus maritimus 82572
Pseudococcus maritimus-malacearum complex 82572
Pseudoconizonia n g 92346*
Pseudocrioceris 82272*
Pseudodichotomosiphon 235*
Pseudodontoplia n g 46858*
Pseudodysstroma n g 38490*
Pseudoeriphus n g 55764*
Pseudogabucinia n g 38013*
Pseudogarypinus 21053
Pseudogyndes 29317
Pseudohandelia n g 32724*
Pseudohedya n g 64611*
Pseudohelotium 32958
Pseudohermaphroditism 27430
Pseudohiatula 41542
Pseudohylesinus grandis 20920
Pseudohylesinus granulatus 20920
Pseudolarix amabilis 50749
Pseudolomyia n g 82421
Pseudolychas transvaalicus 4930
Pseudolygus n g 47058*
Pseudomallocera n g 21160*
Pseudometagea 21322
Pseudometagea schwarzii 55873
Pseudomicrosportella n g 229
Pseudomitrocereus n g 50020*
Pseudomonas 50439 8572* 86982*
  animals 62348*
  eggs 7125 75627 84865*
  fruit 50440*
  meat 22762
  potatoes 50434
  soils 10064 70379 73617 89556 44029* 61201*
  bibliographies 2125
  yoghurt 65386*
Pseudomonas aeruginosa 38295 46221 54595 3437* 27577* 45642* 62578*
Pseudomonas andropogonis 50462
Pseudomonas angulata 41957
Pseudomonas caryophylli 50441* 77197*
Pseudomonas cerasi 67961*
Pseudomonas coronafaciens SEE Bacterium coronafaciens
Pseudomonas fluorescens 13738 13548*
Pseudomonas lachrymans 521* 67958*
Pseudomonas maculicola 67978*
Pseudomonas marginalis 77198
Pseudomonas mori 24254
Pseudomonas mors-prunorum 8559
Pseudomonas oryzicola 50385*
Pseudomonas phaseolicola 67965*
Pseudomonas rimaefaciens 24262*
Pseudomonas savastanoi 50659*
Pseudomonas sesami 59108 25501*
Pseudomonas solanacearum 55478 59099 67976 67977 77207 86986 16105* 86974*
Pseudomonas sorghicola 77210
Pseudomonas syringae 8569*
Pseudomonas tabaci 41948 41957
Pseudomonas tumefaciens SEE Agrobacterium tumefaciens
Pseudomuizonius n g 21313*
Pseudonapomyza 55822*
Pseudonirmus 13097*

Item

Pseudonitocris n g 82225*
Pseudononyma n g 29336*
Pseudonortonia 82599*
Pseudonthophagus SEE Onthophagus (Pseudonthophagus)
Pseudonymus islamabadi 55729*
Pseudoopsis n g 92347*
Pseudopachymerus lallemanti 92389*
Pseudoperonospora humuli 86773 33271* 59047*
Pseudopeziza medicaginis 24237*
Pseudopeziza ribis SEE Gloeosporium ribis
Pseudophiaris n g 21414*
Pseudopipona 82599* 92402*
Pseudoplea trifolii 50369 68105
Pseudopregnancy 63379
Pseudorabies 11224*
  cattle 3480 36641 72236 54368* 80352* 91108*
  diagnosis 62466*
  dogs 54556* 80535*
  foxes 72379* 80599*
  fur-bearing animals 28078* 54589*
  guinea pigs 27378*
  immunization 53917
  mice 27378* 36945*
  minks 54596* 80599*
  swine 63624 27378* 81240* 91851*
    Germany
      East Germany 81273* 91894*
    Great Britain 3480 81290
    prevention 37347*
    transmission 36641 12271* 46395* 63655*
  vaccines 27413* 54589* 91108* 91320*
  virus 45291 45352 45372 62465 72236 11348* 19476* 27338* 36333* 36341* 36945* 62466* 79799* 79843* 79959* 91320*
Pseudosaldula n g 5218
Pseudosaproecius 46828*
Pseudosasa japonica 35083
Pseudoschinia n g 29702
Pseudoschizomeris n g 41510
Pseudoscorpionida SEE Chelonethida
Pseudosinella 5646*
Pseudosmittia 12874
Pseudosphaerita 67889*
Pseudostemphylium 24102
Pseudostenophylax 47258*
Pseudotephritis 73705
Pseudoterpna pruinata 64677
Pseudothalycra n g 29365
Pseudotheraptus wayi 92648
Pseudotristria n g 82821
Pseudotropine 34290
Pseudotsuga douglasii SEE Pseudotsuga menziesii
Pseudotsuga menziesii
  age 2691 53436
  anatomy and physiology 44841 42913* 77748*
  bark 19285 19322
  biochemistry 2746
  breeding 2745*
  cones 29433 44794 71290
  crowns 79256
  culture
    Czechoslovakia 53270*
    Germany 53268*
      East Germany 10721*
    Hungary 35822*
    New Zealand 61850
    Rumania 2742* 61841*
  disease resistance 86941

Item

Pseudotsuga menziesii--Cont
  ecology 677
  feed 27280
  fertilizers 18887 48857
  fungus diseases 16028 32962 59089 86941 67953*
  genetics 2701 71262
  germination 2746
  growth 2655 18819 19343 26982 35777 42913*
  hardiness 53413 77748*
  harvesting 20895
  history 70943
  injuries 19031 53436 79363 90360
  measurement 10644 18819 35777 53246 44681* 79158*
  mortality 2655 2861
  pest control 4762 79378 82637
  pests 20919 21170 29114 29433 55589 64410
    Canada 20895
    habits and behavior 64332 64354
    Montana 64598
    Poland 29152
    Washington 12646
  planting 79301*
    Canada 19006
    Czechoslovakia 79330*
    Pacific Northwest 90185
    Rumania 10713* 61894*
    Washington 79327
  pollen 79344
  propagation 71262
  pruning 19214 79512
  pulpwood 2913 11029 35776
  seedlings 2753 2861 26892 26982 51428 79360 10713* 61894* 61942*
  seeds 2688 2746 10777 26853 44794 44841 53356 79360 10717* 79301*
  shading 53268*
  sites 18887 44668
  soils 1008 2665 26982 89469 44719*
  thinning 2688 2691 18900 35776 35777 53350 53436 71131 79256
  wildlife relations 61942
  wood 2880 10937 11119 11120 12645 19214 19337 27040 36000 36022 36148 44970 44994 53632 53729 62229 79512 79613 90360 90492 19170* 19289* 35908*
  yields 18819 71131
Pseudotsuga taxifolia SEE Pseudotsuga menziesii
Pseudotuberculosis 72338 12133* 27361* 72441* 81303*
Pseudoxyomus n g 82317*
Psichachra 29593*
Psidium 58671*
Psidium guajava SEE Guavas
Psila nigricornis 12891 81830
Psila rosae 12891 37637 46503
Psilaea 50059
Psilidae 12891
Psilocorsis 5438
Psilocybe 41542
Psilocybin 55660
Psilopa leucostoma 37648*
Psilopterna 47258*

Item

Psilosciara 21234*
Psilotales 68315*
Psithyrus 64557 12955* 38415*
Psithyrus variabilis 21350
Psittacosis 37097 54795 20209* 53872* 71866*
  SEE ALSO Ornithosis
Psittacosis-lymphogranuloma group 3810 72230*
Psocoptera
  anatomy and physiology 38560 56025*
  as pests 28962
  control 64050
  geographic distribution 29815
  habits and behavior 38560
  Hong Kong 29815
  Japan 13098*
  Scotland 73894
  Southern States 5631
  Thailand 56034
Psolos 47186* 47187*
Psophocarpus palustris 26351
Psoquilla marginepunctata 38560
Psorergates 38023*
Psorergates musculinus 81566*
Psorergates ovis 12784 20628 28869 63817 81483 73571*
Psorophora ciliata 5199
Psorophora confinnis 82477
Psorophora longipalpus 46983
Psoroptes 21060*
Psoroptes equi cervinae 55285
Psorosis
  citrus 50478 58995 59161 77225
  oranges 77228*
Psorosticha 64596
Psychidae 29643*
  Africa 92576*
  anatomy and physiology 5516*
  as pests 81809
  cytology 21413*
  diseases 81809
  Greece 82791*
  eggs 5490
  France 47136* 64585*
  habits and behavior 21404*
  hybridization 64585*
  taxonomy 21365*
  Uganda 82228
Psychoda 5140 64443 64444
Psychodidae
  France 73711*
  Japan 5140 29481
  Micronesia 21226
  Pacific area 37965
  Republic of South Africa 82433
  taxonomy 64443 64444
Psychodinae 64444
Psychology 57669 58239 94624
  SEE ALSO UNDER Children; Youth; and names of animals
Psychomyia 47258*
Psychotria 67403 32702*
Psychrometry 17912 59851
Psylla 46344 46536 46544 82530*
Psylla ledi 82533
Psylla mali 81764 46548*
Psylla mali group 55858*
Psylla medicaginis 55416
Psylla melanoneura 5255 5256
Psylla pyri 20854* 81785*
Psylla pyricola 73289 82571 81785*
  control 12564 46570
  predators 12932
Psylla subferrigenea 5255 5256

*Text of this reference is not in English.

Item

Psyllidae
as pests 82571
Australia 29564 82564
control 37699
diseases 81764
food and host plants 29268*
Great Britain 38287
Italy 12918* 92525*
Japan 82533
migration 82507*
parasites 5255 5256 82636
Poland 64493*
populations 37693
Republic of South Africa 29564
taxonomy 5223 5233* 55858* 82530*
Psylliodes 55739*
Psylliodes chrysocephala 29330 46523 20719* 20722* 29017* 37630*
Psyllipsocus ramburi 56025*
Psylloidea 12930*
Psyllotoxoides n g 46816*
Ptelea 41355
Pterandrus rosa SEE Ceratitis rosa
Pteretis orientalis 59536
Pterideae 42309* 68372*
Pteridine 21192 36976 38194
Pteridium
control 17686 17720 34983 34996 35010 35024 52254
culture 9778
cytology 42324 68373*
toxicity 3445 72133 72229*
Pteridium aquilinum 16313 64677
anatomy and physiology 42540 68846 87246
control 34973 35023 42540
cytology 8790* 50755*
ecology 628
pests 92518*
toxicity 11570* 80293*
Pteridophyta
anatomy and physiology 9069 16324*
Australia 58740
biochemistry 34259 51447*
Brazil 76986*
Canada 24034
collecting and preserving 58735
collections 32873
culture 9705 9729 34781 34793 89104 9786*
cytology 8752 33665 33681
ecology 33471 87171*
France 86523* 86524*
fungus diseases 8304
Germany
East Germany 86400*
Himalayas 33681
Iceland 8752
identification 193
India 192 24032
Iraq 50102
Japan 190 198*
Kentucky 194 86527
morphology 8803 16405 33653 68264 68374*
New Zealand 34259
Northeastern States 24034
pests 21299
Switzerland 58730*
taxonomy 50104 76988
reviews 58736*
Tennessee 8263 86526
varieties 34793 34861
Pterikrypta 73509

Item

Pterins
in algae 43052*
in insects 73709 5122* 5177* 21166* 21293* 21438*
reviews 82112
Pteris 50824 68373*
Pteris aquilina SEE Pteridium aquilinum
Pteris cretica 50974 42808*
Pteris vittata 77377
Pterocarpus 62218* 90484*
Pterocarpus indicus 71255
Pterocarpus marsupium 4771
Pterocarpus santalinus 53287
Pterocarya stenoptera 37721*
Pterocomma 73375*
Pterocyclon 12843
Pterodontia aerivaga 82429*
Pterogasterinae 82206
Pterognathini 92351*
Pterolepis 41346 50017*
Pterolophia 46816* 46818* 92347*
Pteromalidae
as parasites 5273 46649*
Europe 38368*
Great Britain 38376
habits and behavior 5274
hosts 64533 12818*
Morocco 82594*
nomenclature 47073
taxonomy 5326 38369 47062 47074
USSR 38370
Pteronidea 64551*
Pterophoridae 29748
France 5549 47134*
Great Britain 5545
Japan 47205
taxonomy 13013*
Pterophorus 55987 73806 21390*
Pteroplatini 82294
Pteropliini 29337* 46818*
Pteroptrix dimidiata 38398
Pterostichinae 73632
Pterostichini 29367 82247
Pterostichus 29367 46841* 55759*
Pterostichus (Paralianoe) 29366
Pterostichus spiculifer group 29403
Pterostyrax hispida 86519
Pteroylmonoglutamic acid SEE Folic acid
Pterygosoma 29302 82153
Ptiliidae 64337 64338
Ptilinus fuscus 12804*
Ptilocamptocera n g 38353*
Ptiloglossa arizonensis 82615*
Ptilonyssus 12768
Ptilonyssus cerchneis 92040
Ptilophora plumigera 92611*
Ptilopodius 38154
Ptilotus 32731*
Ptinidae 37792 12818*
Ptoleria 73761*
Ptomaphagus 5043*
Ptychocoleus 24052
Ptychogaster 16387
Ptycholoma lecheana 73842
Ptychosoma 55687*
Pubescent oak SEE Quercus pubescens
Public affairs 32223
Public Law 61-435 SEE Weeks Act (Protection of Watersheds) of 1911
Public Law 83-480 SEE Agricultural Trade Development and Assistance Act of 1954
Public Law 83-566 SEE Watershed Protection and Flood Prevention Act of 1954

Item

Public Law 86-517 SEE Multiple Use-Sustained Yield Act of 1960
Public Law 87-27 SEE Area Redevelopment Act
Public relations 15188 15208 23516 32179 32182 32208 40817 40820 40821 40829 48885 49447 49455 49463 58163 76388 76411
California 32176
Europe 40827
France 76442
Germany 76381* 76389 76462*
Italy 32200
SEE ALSO Advertising; Periodicals; Radio; Television; and UNDER specific subjects
Public utilities 92722 49413*
Publications SEE Bibliographies; Books for farmers; Documentation; Periodicals; Reviews; and UNDER names of authors and issuing agencies
Pucaraia n g 29707*
Puccinia 8300* 86589*
Argentina 86574*
Canada 50140
grain 24211 24308
Japan 67620*
North America 50123
salsify 268
Scorzonera 268
taxonomy 41540
wheat 24688
Puccinia agropyri 8455* 33213*
Puccinia antirrhini 50313 24348*
Puccinia arachidis 41893 41924
Puccinia asparagi 50360
Puccinia caricina 67814
Puccinia cephalandrae indicae 77183
Puccinia citrulli 41874*
Puccinia coronata 499 33223 33348 50411 50433 86814 1394* 77391*
Puccinia coronata avenae 33211 33311 50410 50412
Puccinia corticioides 1394*
Puccinia dupiasii 77023*
Puccinia glumarum 24243 42389 59712 8503* 24372* 77160*
Puccinia graminis
Berberis 59041* 86829*
conferences and congresses 77161*
cytology 24567
Czechoslovakia 507 67938*
grain 8489*
morphology 50736
taxonomy 58792 8457*
Puccinia graminis avenae 41851 86805 87391
Puccinia graminis hordei 50891
Puccinia graminis secalis 41851
Puccinia graminis tritici 438 489 8425 8532 16011 24261 33169 42844 50422 50891 58958 67851 86808 86862 33218* 77088* 86929*
Africa 8456*
anatomy and physiology 42595*

Item

Puccinia graminis tritici--Cont
biochemistry 1376 1403
Europe 8456*
genetics 67922
Japan 33341*
khapli wheat 512
Morocco 8483*
Spain 16069*
wheat 468 5802 8426 8521 8531 16063 41784 16027* 67838*
Puccinia helianthi 8532 77170*
Puccinia hordei 42399
Puccinia iridis 33291*
Puccinia kuehnii 55815
Puccinia malvacearum 88998*
Puccinia menthae 241 16465 86832 25973* 81759*
Puccinia polysora 41756
Puccinia purpurea 868
Puccinia recondita 417 443 508 16011 24726 41777 86951 24244* 33241* 86751* 86948*
anatomy and physiology 60205* 77565*
Italy 33151 33152
wheat 416 485 16027* 33164*
Puccinia sorghi 804 42384 43105 50260 50844 68481
Puccinia stojanovii 67604
Puccinia striiformis 16097 24194 67920 86754 77094*
Puccinia suaveolens 60205*
Puccinia triticina SEE Puccinia recondita
Pudukkottai District Livestock Farm 66676
Pueraria SEE Kudzu
Puerto Rican Sugar Technologists 22880
Puerto Rico Agricultural Experiment Station 25974*
Puerto Rico Autoridad de Tierras 15021*
Puerto Rico Dept de Agricultura y Comercio 41128*
Puerto Rico University Extension Serv 85873
Puerto Rico Water Resources Authority 13407
Puget Sound wireworm SEE Ctenicera aeripennis
Pulicidae 56033*
Pullorum disease 3902 3903 3910 28339 46051 54779 80869*
causes 37089
control 20247 63350 91593 45988*
diagnosis 45974
eradication 54827 72694
immunization 63304*
Northern Ireland 72661
rabbits 46090*
transmission 80714*
treatment 20191 37082 46056 37096* 54817* 63304*
turkeys 45978
Pullularia pullulans 77485 35956*
Pullus impexus 37801
Pulmonaria officinalis 59434*
Pulmonary adenomatosis 27988 80648* 81038*
Pulmonary emphysema
cattle 3517 80286 80453 80394* 91043*
horses 11830* 28095*

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Item

Pulp and paper 71506
acetylation 71582
alkali 2993 71523
79561 2936* 11028
53652* 90455*
analysis and composition
2916 11030 11051
36055 45049 53650
90418 36051*
associations 11025
36068 45073 71505
79539 90427*
bibliographies 79435
79540
bisulfite 2924 71513
bleaching 2918 2921
36072 79557 36057
36058* 48255* 71516
71519*
Canada 71529
chemimechanical 79522*
79526*
chemistry 2905 2917
2934 11025 19257
36066 53637 71505
71531 36041* 45047*
45054* 45067* 48180*
48194* 65656* 79524*
79562*
cold soda 2921 27128
84041 62152* 79522*
79526*
conferences and congresses
11025 71507 71510
90427*
defects 79553*
deresination 45079*
directories 11031 27131
36070 53653
Canada 27127 36036
90421
Japan 90420
Scandinavia 36034
Southern States 11035
19278 53656
Western States 36040
dissolving 71513
grading and standardization
79521*
groundwood 2910 2932
36042 36054 53640
53654 90414 2939*
19253* 19279* 45051*
71532* 36050*
bleaching 11049 62150
equipment 27113
36025 53645 62143*
manufacture 71522
90411*
properties 36031
45045 45057 45058
62146
temperature 53657
62165
history 19252*
hydrogen-ion concentration
84118*
hydrolysis 11051 30754
industry 27118 27126
27138 71524 79556
11048*
Brazil 2904
Canada 19259 36045
36063*
Cuba 62164* 79558*
Estonia 62163*
Europe 11033
Finland 2937
India 90409
Italy 36080* 79531*
Japan 90420
New Zealand 27129
Norway 11045 36023
62149*
Pennsylvania 53638
Poland 36067*
Rumania 36078* 45066*
Scandinavia 27111*
Southern States 11046
45078

Item

Pulp and paper--Cont
industry--cont
Sweden 19277 45071
Italy 36038
magnefite 27136 79523
36029*
manufacture 11024
19258 36062 36071
36079 45060 45062
71508 71523 79563
2907* 11039* 19252
19272 45067* 75036
79541* 84117* 90417
Czechoslovakia 45053
equipment 2912
27111* 62161*
Italy 79565
Japan 79569* 82082
84118*
Philippines 36065
Poland 79559*
USSR 27121* 45068*
marketing 11041 62156
materials 6497 6554
30961 31542 39522
53637 65634 66289
93498 19273* 31056*
31183* 45074* 45075*
48194* 48197* 48237*
48515* 53646* 83993*
84019* 90422*
Australia 57152*
Ethiopia 9936
India 6839 14622
22223 22845 30754
84041 84042
Italy 79526* 79564*
Japan 30793
Philippines 36065
Rumania 45047* 45054*
45056* 48166* 48256*
48580*
Tunisia 84122*
USSR 48201* 61030*
93510*
moisture 36026*
microorganisms 2938
16530 83497 31056*
55552* 79553*
mulch 2371 13218
18287 70211*
nitric acid 53637
pests 83497 55552*
Philippines 19271
policies and programs 53633*
53659*
products 35998*
properties 2851 11025
27116 36030 79555
79567 36026* 48194*
79541*
quality 19264*
research
statistical methods 79548*
reviews 27123
semichemical 26849
27135 37136 53635
62147 2929* 45072*
48256* 62167* 79542*
situation and outlook 2925
11037 19270 19276
27140 36077 53634
53651 53660 79529
90425*
Canada 71511
Finland 11050 36066
53642
India 11038
Southern States 53599
Spain 45043* 45044*
Sweden 2935
Tunisia 84122*
USSR 19260* 26992*
soda 66289 45065*
53639*
statistics 36081 45077
79556
Canada 19254 36035
71511 79525 90412

Item

Pulp and paper--Cont
statistics--cont
Europe 11041 62156
Poland 62155
Southern States 11043
53599
storage 79553
study and teaching 19263
62151
sulfate 2912 2920
19257 19262 22223
27139 30754 45055
71521 71527 79566
2907* 36046* 45067
62157* 90423*
bleaching 2908
2913 11029
cleaning 19266
color 79528
costs and returns 79554
hydrolysis 2911
22845
manufacture 45063*
moisture 36026*
products 2998 62145*
properties 2908
11027 36026*
waste 62144*
yields 11027
sulfite 11032 11034
27112 27139 36074
53641 71512 79545
2909* 2930* 36028*
36073* 45050* 45079*
48201* 53652* 62153*
71516* 71533* 71534*
90416* 90428*
analysis and composition
45061 62166*
bleaching 79552 36056*
chemistry 36024
36076 79543 19275*
36052* 36075* 90455*
defects 79537*
manufacture 36047
36048 45064* 45076*
71520* 79530*
products 27134*
properties 79552
quality 79537*
yields 79547 19275*
79530* 90419*
tests 2906 71526
2915*
trade 45046 79565*
USSR 27132 90426*
viscose 2911 30754
36043 36044 36060
36061 53636 62206
2930* 19268* 27117*
27122* 30771* 45059*
48197* 62142*
waste 27125 62194*
yields 2968 2939*
45072* 79546* 79559*
SEE ALSO Newsprint; Pulpwood; Sulfate liquor; Sulfite liquor
Pulp and Paper Manual of Canada 90421
Pulp and Paper Research Institute of Canada 71529
Pulpwood 2654 61745
90422*
analysis and composition
2851 79560 62159*
anatomy 19258 27116
53647*
Australia 11047
bark removal 27133
36027 35925* 44962*
45048*
Canada 26802 62162
care and handling 62148
79532 79534
chemistry 19256 79545
consumption 79549
costs and returns 19269
decay 2851 71447
53574 71516*

Item

Pulpwood--Cont
defects 79560 44962*
45050*
directories 19278
Estonia 62163*
fibers 2923 11024
11052 27115 36037
71528 71530 79566
79567 79537*
grading and standardization
79533
hydrogen-ion concentration
45069*
loading equipment 26999
62148
logging 2804 26802
44930 44938 62040
79439
Canada 2803 2811
2812
conferences and congresses 79448
equipment 79440
directories 10886
Louisiana 11042
marketing 36059 71525
79535 79544
moisture 36032* 44962*
pests 37832
prices 2927 11044
79527 79536
processing 79440
properties 27130 45069*
62160*
quality 2923 26802
27137 35721 79533
19264*
bibliographies 62154
Rumania 45066*
situation and outlook 11036
27114 90425*
South Dakota 90430
Southern States 53179
90056
statistics
Central States 2922
79549
Lake States 2914
36049
Southern States 11043
45070
storage 71517 71518
79532 90410 44962*
Sweden 45071*
tests 36083
Texas 2928
transportation 2933
74939 79534 35907*
Tropics 19274
Tunisia 84122*
USSR 2919* 27121*
79541*
weight and measurement
53644 71525 79535
79550
Wisconsin 90415
yields 27124*
SEE ALSO Wood chips; and UNDER names of trees
Pulpy kidney SEE Enterotoxemia
Pulsatilla SEE Anemone
Pulse rate SEE Heart rate
Pulses SEE Legumes
Pulvinaria betulae 29097*
Pulvinaria floccifera 81822*
Pulvinaria innumerabilis 82549
Pulvinaria vitis 81788
82549
Pumice 10795
Pummelo juice 22423*
Pummelos 22423*
Pumpkin seed meal 63295*
Pumpkins
analysis and composition
75119*
anatomy and physiology
68280* 69035* 69111*
87643* 87656*

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Item

Pumpkins--Cont
biochemistry 34301* 69255*
culture 17603
diseases 86685 24183*
forage plant 43266* 46116*
hybrids 75119*
morphology 16314* 59454*
pest control 46591
pollen 42176
pollination 24911
rootstocks 87328*
seeds 63236*
utilization 6650*
varieties 43266*
vitamins 32476*
Pumps 10826 35460 38864 56325 64970 61523*
Great Britain 65039
Netherlands 44405*
Taiwan 38869*
types 29975 47617 65048 83181 93018 5903* 13421* 38739* 39424*
Germany 47622*
India 21758
USSR 56324*
Punched cards SEE Data processing equipment
Punctaria 32936 41514
Punctisphena n g 29758
Punica granatum SEE Pomegranates
Purchase and sale programs 13487* 21820* 30213* 38956* 66689* 74461* 74500* 93068* 94301* 94858*
SEE ALSO UNDER specific subjects
Purchasing 38915
Purdue Marketing Clinic 74469
Purdue Soil Analysis Laboratory 35141
Purdue University 32505*
Dept of Forestry and Conservation 11101
Engineering Experiment Station 64756
Purebred Dairy Cattle Association 3243
Purgatives 19999 45924 3651*
Purines
effects on plant disease 67999
effects on plants 51382 16298*
in animal physiology 20183 63503*
in insect physiology 37917*
in plants 34285 42919 88218*
Purple blotch
Ilex opaca 86925
Purple speck
soybeans 400
Purple stain
guar 50337
Purple vetch 61228
Purpura 63044
Purpura hemorrhagica 3778 91310*
Purpuricenini 82294
Purpuricenus 4984
Purpus C 32825
Purshia 88567
Purshia tridentata 1582 8702 50061
Purshia tridentata glandulosa 8702
Püspökladány Szikfásító Kisérleti Állomas 89502*
Pussardia n g 4955
Putnam County (Tenn) Soil Conservation District 78954
Puto 12931
Putrefactive anaerobe No 3679 22024

Item

Puya 176 32858
Puya chilensis 58632
PVA SEE Polyvinyl alcohol
PVT SEE 4-beta-Hydroxy-ethyldiethylene diamino-methyltetracycline phenoxy-methylpenicillinate
Pybuthrin 81414*
Pycnanthus angolensis 26827*
Pycnocryptus 38417
Pycnomerinx n g 82382
Pycnometers 89460*
Pycnoporus 86577
Pycnopsyche guttifer 38565
Pycnopsyche lepida 38565
Pycnoscelus surinamensis 55993*
Pydna 38479*
Pyelonephritis 62738*
reviews 27421*
Pyemotes ventricosus 4784 81553
Pyemotidae 4952
Pygaera anachoreta 37807*
Pygaera anastomosis 92585*
Pygaera timon 47178*
Pygidial glands 5026* 55754*
Pygidicranidae 29792
Pygmephorus 4952
Pygolampis 21314*
Pygostolus falcatus 4384 12485
Pyloric glands 71722*
Pyloric stenosis 3678 37255
Pyometra SEE Metritis
Pyoverdine 7125 75625
Pyralidae
anatomy and physiology 13007 73817
as pests 4688 37675
breeding places 38494
control 12441
France 82754* 92573*
Germany 82797*
Great Britain 5418 5487 5545 21408
habits and behavior 5452*
Iran 47130*
larvae 5452*
Nigeria 64688
nomenclature 5546 29703 64692
North America 29702
taxonomy 29744
Pyralididae SEE Pyralidae
Pyraloidea 5433 21384
Pyrameis cardui 12996
Pyranometers 2778
Pyrausta 47130*
Pyrausta nubilalis SEE Ostrinia nubilalis
Pyraustidae 21436* 47169* 82755*
Pyraustinae 29744
Pyrazoles 46312*
Pyrenochaeta terrestris 50270 86823
Pyrenomycetes 50943 58769 32945*
Pyrenophora 513 33002* 58780*
Pyrenophora bromi 8469
Pyrenophora teres SEE Helminthosporium teres
Pyrethrins
analysis and composition 28751 64158
determination 63713 81437
fly control 28851 37521
food pest control 4721
human pest control 28919
in plants 4337 63773 88128
insect resistance 4336
mosquito control 92013*
physiological action 4337 81435 81839

Item

Pyrethrins--Cont
storage pest control 4725 12610*
synergism 4336 4453 91963 81414* 81514* 92013*
Pyrethroids 28851
Pyrethrum 81441
chemistry 55246
fly control 46406 55333 63790 63819 63862 63863 73172
industry
Ecuador 28808*
Kenya 20596 55182 55190 81431 55233
mosquito control 4515*
physiological action 55204
storage pest control 4731 46612
synergism 63724 63790 81720 12334*
tests 4389 81720
trade 55232
Pyrethrum (plant) SEE Chrysanthemum cinerariaefolium; Chrysanthemum coccineum
Pyrethrum Board of Kenya 20596 55182
Pyrethrum corymbiforme 32724*
Pyrethrum demetrii 23994*
Pyrethrum mikeschinii 32724*
Pyrethrum neglectum 32724*
Pyrethrum songaricum 32724*
Pyrgomorpha 73871
Pyrgomorphidae 29758 82826
Pyrgotidae 29417
Pyrgus armoricanus 64664*
Pyria inaequidens SEE Chrysis inaequidens
Pyridine 10970 16977 84851* 88126*
Pyridine-2-aldoxime methiodide SEE 2-PAM
Pyridinium compounds 16033
Pyridoxal 5948
Pyridoxal phosphate 83354*
Pyridoxamine 5948
Pyridoxamine phosphate 13726
Pyridoxine
determination 5948
effects on tomatoes 87739
in cheese 32472*
in human nutrition 15477*
in milk 13726 83909*
in swine nutrition 4207* 12206* 12213*
Pyrimethamine 4492 12007 27708* 27728*
Pyrimidines 52315
effects on plant disease 67999
effects on plants 50839 60074
in plants 34258 34285 51469 69179
Pyrocarbonic acid 74602*
Pyrocarbonic acid diethyl ester 47861 13639* 47795* 56558* 75238* 75239* 84902*
Pyrocatechol 50329 42980*
o-Pyrocatechuic acid 9223
Pyrochroidae 5040
Pyroderces 21366
Pyrogallol 90968*
Pyrola 77576 59636*
Pyrola chlorantha 32753
Pyrolaceae 23940 41352* 59637*
Pyroligneous acid 566*
Pyronema domesticum 67642*
Pyronine 23899 76823*
Pyrophorus 73656
Pyrophosphatases 3026*
Pyrophosphates 75122 16027*
Pyropteron aerifrons 82771*
Pyropyga 21112

Item

Pyrostegia 67499
Pyrosulfites 36211*
Pyrrhalta nigricornis 92398
Pyrrhocoridae 5227 12942 29563
Pyrrhocoris apterus 12947 29547 29549 29548*
Pyrrole 1327*
Pyrrolidine 43050
Pyrrolizidine SEE Hexahydro 1-H-pyrrolizine
Pyrrosia 8764
Pyrus caucasica 45144*
Pyrus communis SEE Pears
Pyrus ussuriensis 87277*
Pyruvates 35184 51573 60081 60082 69271
Pyruvic acid 3279 48413 34291* 34292* 72830*
Pyrvinium pamoate 36831
Pythagoras 25445
Pythium 509 24358 32955 700*
Antirrhinum 50319
Betula pendula 24203*
Chrysanthemum morifolium 24357
cotton 12463
grain 33215
lettuce 77176 77177
taxonomy 50131*
Pythium aphanidermatum 58990 67948
Pythium arrhenomanes 50390 77097*
Pythium debaryanum 68054 77175 24290* 59021* 59045*
Pythium graminicolum 59062
Pythium irregulare 86770*
Pythium megalacanthum 59021* 67585*
Pythium ultimum 446 8424 24257 33251 24241* 59021*
Pyxidicerus 29368*

Q fever 13844
Argentina 53940*
Australia 28467
Bulgaria 71811*
cattle 36586 91112 27770*
control 55298
Illinois 11246 11247
poultry 28334*
Sudan 71808
transmission 27311* 63830*
USSR 45375 62394*
Quackgrass SEE Agropyron repens
Quadraspidiotus perniciosus SEE Aspidiotus perniciosus
Quadrigula 67561*
Quail 20141 28183 28367 46052 73074 37115* 80908*
Quaking aspen SEE Populus tremuloides
Quanjer H M 8019
Quarantine SEE UNDER Plants and names of plants; SUBHEAD disinfestation UNDER Aircraft; and SUBHEAD regulation and inspection UNDER Livestock and names of animals
Quartaroli A 32557*
Quartinia 38401*
Quartzite 714*
Quasiochamus n g 38088
Quaternary ammonium compounds 30674 50300 87756*
Quebec (City) Ecole de Medicine Veterinaire 27424*
Quebec Dept of Agriculture 94857*
publications 40506*

*Text of this reference is not in English.

Item

Quebec Dept of Lands and Forests 76185*
Quebec Farm Credit Bur 23025
Quebrachia SEE Schinopsis
Quebracho 71536*
Quedius maritimus 46860*
Quedius subunicolor 46854*
Quedius umbrinus 46860*
Queen's substance SEE UNDER Apis mellifera, queens
Queensland Agricultural Bank 7393 23026
Queensland Bur of Sugar Experiment Stations 48937
Queensland Butter Marketing Board 30561
Queensland Dept of Agriculture and Stock 15512 49759
  Div of Marketing 5976
  Food Preservation Research Laboratory 30301
Queensland Dept of Forestry 10575
Queensland Dept of Public Lands 23293
Queensland Government Chemical Laboratory 74428
Queensland Irrigation and Water Supply Commission 70801
Queensland Land Tax Off 23063
Queensland Meat Industry Board 22569
Queensland Peanut Marketing Board 7091 93932
Queensland Society of Sugar Cane Technologists 57558
Quentin process 7255*
Quercetin 16571
Quercitol 43000*
Quercus
  age 61792* 62136*
  anatomy and physiology 16702 33942 51292 51315 18867* 24895* 61925* 71226* 87139* 87495* 90182*
  Arizona 52292
  bark 35761 69219
  breeding 61941 10704* 61925*
  Caucasus 90210*
  clear cutting 61813*
  control 18859 18878 35761 35775 43702 61867*
  coppice 35775* 26821* 61867*
  crowns 53414 18975*
  culture 2647*
    France 10663*
    Hungary 44821*
    Norway 52014*
    Rumania 71303*
    Switzerland 26821*
    USSR 26810* 71081* 71326* 90116* 90118*
  Denmark 10590*
  diseases 50228 50242 2647*
  ecology 24895*
    Germany East Germany 68168*
    North Carolina 87150
    Poland 16268*
    Rumania 50638*
    USSR 16228* 42088* 59269* 59274* 68137* 68193* 87139* 87228*
    Yugoslavia 42108*
  feed 90938 36550*
  fungus diseases 16015 24363 33192 50273 50352 50364 58992* 59015* 86957*
  control 24300 33210 33222 444* 67797*
  Denmark 8286

Item

Quercus--Cont
  fungus diseases--cont
    Finland 8286
    Netherlands 493*
    Norway 8286
    Pakistan 8470
    Rumania 24301*
    Sweden 8286
    Texas 33185
  genetics 26911 44835*
  Germany 17832*
  growth 61797 10801* 18958* 35755* 61834* 71080* 71326* 90220*
  hardiness 16585*
  harvesting 61813*
  hybrids 32796 61941 87150 26906*
  improvement cutting 18867* 90137*
  injuries 50228 71300* 71302*
  measurement 44681* 61792*
  Mexico 67483
  mortality 90269
  pest control
    biological 81883*
    Germany 20902*
      East Germany 64076*
    USSR 46634 12621* 29139* 55556* 73404*
  pests 5274 37833 29260*
    Czechoslovakia 78874*
    Finland 46754*
    Germany 81908*
    Great Britain 5297 38363
    Hungary 64627*
    North America 82508
    outbreaks 12636*
    surveys 12997
    USSR 73357* 92451*
  planting 10744 18958* 26880* 35755* 53361* 71226* 90220*
    equipment 61910*
    North Carolina 35836*
    USSR 18977* 35783* 61916* 71260* 90042* 90118* 90137* 90192*
  policies and programs 18686*
  pollen 16358*
  propagation 2720*
  pulpwood 36074 90410 36026* 90417*
  Scotland 64335 86431
  seedlings 26911 33942 61238* 90182*
  seeds 61834* 61867* 61925*
    pests 61948*
    USSR 62136*
    weight and measurement 71263*
    West Virginia 53424
  sites 2644 61797 61910* 71080*
  soils 2159* 61238* 79183* 89534*
    Hungary 35147*
    Poland 17892*
    Rumania 50638*
    USSR 18977* 44028* 87228* 89523* 90137*
  Spain 53487
  Turkey 27192*
  underplanting 44788*
  varieties 1829 16702 51292
  wood 4760 19235 19306 19319 44964 44965 44979 44994 53632 62192 71606 79472 81547 2855* 19162* 27089* 27192* 35967* 36123* 44908* 45091* 45162* 83633* 90458*
  yields 61792* 62136*

Item

Quercus acutissima 12757*
Quercus aegilops SEE Quercus macrolepis
Quercus alba 8507 53224 71331
Quercus borealis SEE Quercus rubra
Quercus castaneifolia 8158*
Quercus cerris 26890* 35704* 79172*
Quercus coccinea 27170
Quercus conferta SEE Quercus frainetto
Quercus dentata 77399
Quercus douglasii 8219
Quercus ellipsoidalis 2657 86831
Quercus falcata 44711 53224 62082
Quercus frainetto 9181* 36138*
Quercus fusiformis 153
Quercus gambelii 67826
Quercus garryana 73844
Quercus havardii 43738
Quercus ilex 33510*
  anatomy and physiology 25086*
  pest control 12659* 44658*
  pests 47188* 55563*
  Spain 81231*
Quercus incana 53267
Quercus ithaburensis 77310
Quercus kelloggii 10942 27047 35951 53592 62248
Quercus laevis 25934 44752 44773
Quercus macranthera 90123*
Quercus macrocarpa 86849
Quercus macrolepis 58547*
Quercus marilandica 18920 25929
Quercus montana SEE Quercus prinus
Quercus muehlenbergii 8219
Quercus nigra 53486
Quercus palustris 10874
Quercus pedunculata SEE Quercus robur
Quercus pedunculiflora 26787*
Quercus petraea 9181* 79201*
  measurement 71068*
  seeds 26859* 26879*
  taxonomy 86431
Quercus prinus 8219 16255
Quercus pubescens 79309* 24516* 25086* 44732* 79309*
Quercus robur 15775*
  anatomy and physiology 16498* 18975* 42524* 44843* 59797* 77669* 87527* 87735*
  ecology 53293* 68206* 87206*
  fungus diseases 8519
  morphology 59373* 59487*
  planting 26905*
  Rumania 2584*
  seedlings 18975*
  seeds 26859*
  shading 18975*
  soils 16498* 53293*
  USSR 18869* 86463*
Quercus rubra
  anatomy and physiology 1215 42524* 44843*
  culture 18854* 71111*
  pest control 46667 92220*
  pests 4754
  wood 19185 27038
Quercus semicarpifolia 71568
Quercus serrata 35742*
Quercus sessiliflora SEE Quercus petraea
Quercus sessilis 68206*
Quercus stellata 18920 41269

Item

Quercus suber 71558
  bark 71573*
  Brazil 90440*
  China 44725*
  injuries 71306*
  introduction 18991*
  Morocco 67503* 86410*
  pest control 81895*
  pests 37796* 55563*
  Portugal 71571 10879*
  Spain 71571 79109*
Quercus trojana 79051* 87530*
Quercus turbinella 25471
Quercus variabilis 53723*
Quercus velutina 8507 53220
Quercus xmegaleia 32796
Queuing theory 30300
Quinces
  analysis and composition 39650* 93561*
  culture 34661 43403*
  fertilizers 78639*
  fungus diseases 59023*
  hybrids 51945*
  pest control 20846*
  pests 81737*
  planting 17361*
  products 93561*
  propagation 17361* 78639*
  rootstocks 43399* 43400* 51946* 60692* 78639*
  varieties 69749*
Quinchamalium chilense 33579
Quinic acid 25260 42999*
Quinine hydrochloride 80804
Quinine sulfate 83845
Quinolinium phosphomolybdate test 44522
Quinones 9259 24783 87860 88245 38055*
Quiscalis indica 21435
Quittor 80650*

R-1207 46380
R-2028 SEE Haloanisone
Rabbit meat
  bacteria 6977*
  chemistry 93882*
  contamination 6948*
  cooperatives 6919
  marketing 6922
  nutritive value 81076*
  processing 93882*
  regulation and inspection 6977*
Rabbit plague 63192*
Rabbit pox 12050
Rabbit tick SEE Haemaphysalis leporispalustris
Rabbits 4026 80955
  anatomy and physiology 28390 28391 28396 54866 28392* 37164* 46083*
  as pests 80944 33088*
  breeding 4015 80929 46081* 80931*
    as an occupation 72755 72756
  breeds 4016*
    Angora 4013 72756 80930 80931*
    Black and Tan 72757*
    Chinchilla 37153* 72762*
    Dutch-belted 28405
    Lop
      French 72763*
    Vienna
      White 72763*
  carcasses 66175* 80952*
  care 80930 54872* 63381* 63385* 80954*

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Item

Rabbits--Cont
control 35788
Australia 14666 23720 23763 26935 26940
Canada 33042
France 54870*
Maryland 19034
costs and returns 85623*
cytology 28648 72762* 80943*
digestion 37147
diseases 28400 63381* 80934*
embryos 12057* 80933*
anatomy and physiology 37160
diseases 80942*
mortality 19662 91608
viability 37155
estrus 80939*
farms and ranches 46094*
feeding and nutrition 28391 37146 37147 37149 80933* 91606*
fertility 4014 4015 28395 37145 46079 72763* 90812*
fur production 63376
genetics 80929 46083* 72754*
Great Britain 59341
growth 46081* 80952*
habits and behavior 28389*
housing 74296* 92967*
immunization 46079 37162* 46088*
industry 4013 84590 84571*
infectious diseases 91614*
injuries 20312* 37159*
lactation 37151 63379 91612
marketing 75417
Mauritius 12058*
meat production 28400 63376 91619*
metabolism 80940 91606*
ovulation 63383*
parturition 63385*
pest control 12389 28905
pests 4526 20621 73142 37516* 73185*
poisoning 6948* 37158*
pregnancy 20313* 54871* 63383*
prices 22624*
products 39937*
shearing 75019*
situation and outlook 84545*
surgery 37149
temperature 54864* 80953*
virus diseases 20314 72762*
weaning 63377*
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Rabies 53982 79871 79937 90748 19530* 54001*
Algeria 79838*
cats 27964 63046
cattle 3570 36733* 80334*
control 91128*
immunization 3589 91128*
transmission 19855* 80384*
control 3107* 11760* 53850* 79875*
diagnosis 62358 11360* 27392* 45280* 54033* 71818*
dogs 80562 11760* 45739* 45781*
Finland 53984*

Item

Rabies--Cont
Germany 71786*
East Germany 27334 79923*
history 53975
Hungary 19582*
immunization 79857*
India 90579
Japan 53820
man 79924
Morocco 28864*
poultry 63384*
prevention 36335 27446* 53817*
rabbits 63384* 80941*
sheep 28469* 28523* 81132*
transmission 45739* 62460* 71855*
vaccines 45319 79868 28523* 36256* 45289* 53889* 53984* 71734* 71756* 71760*
virus 28469* 45739* 53870*
West Africa 11359*
wildlife 79871 90710 62460*
Rachiplusia nu 73235*
Rachiplusia ou 5496
Radapon 53312
Rademacher B 41163*
Radiata pine SEE Pinus radiata
Radiation 49757 67147 21248* 32508*
effects on Actinomyces 68504*
effects on Agropyron 914
effects on algae 42222 87212
effects on Alternaria tomato 8859
effects on animals 3192 53857 62467 72415 81089 90571 91219 11277* 19479* 54265* 71792* 90762*
reviews 3079
effects on Antirrhinum majus 940
effects on apples 42581 68444*
effects on Aspergillus 42243 68518
effects on bacteria 21779 47801 61237 74414 27398*
effects on barley 16282 33978* 42753* 87477*
effects on Bombyx mori 73493*
effects on broadbeans 745
effects on buckwheat 922 25108
effects on Castanea mollissima 16457
effects on cattle 62730
effects on chick embryos 28282*
effects on clover 77647*
effects on coffee 9152
effects on Coleoptera 21157 73596*
effects on Collinsia 87406
effects on corn 42429 42600 68500
effects on Dactylis 68476*
effects on Diptera 12868 12888 21222 21240 38233 38234 82444 92448 21186*
effects on dogs 54550* 63086* 80530* 80567*
effects on fats and oils 48756 14484* 31379* 48776* 75666*
effects on fibers 6454 6483 22252 84116

Item

Radiation--Cont
effects on food 83323 83335 56345*
effects on Forsythia 920*
effects on fruit 77461*
effects on fungi 60159
effects on gelatin 93818
effects on Gladiolus 59846*
effects on grain 42442
effects on grapes 24788*
effects on guinea fowl 3836
effects on Hemiptera 5216 92509 92535
effects on Hymenoptera 38412*
effects on insects 16411 41624* 73716*
reviews 37968
effects on leather 39987*
effects on Lepidoptera 4860 29230 73845 73466*
effects on Lilium longifolium 741
effects on Lolium perenne 899*
effects on mice 91348
effects on microorganisms 84909*
effects on milk 48052 48054 83811*
effects on mosquitoes 81546
effects on nematodes 28501 33433
effects on Nicotiana 925
effects on oats 16463 50410
effects on onions 16424
effects on Orthoptera 21445 21464 38548 64711
effects on paprika 65345*
effects on peanuts 42361
effects on peas 1033* 34004* 77712*
effects on pigeonpeas 8806 87830
effects on Pinus densiflora 35821
effects on plants 896 8879 16261 16411 16420 16756 24825 33630 33764 33788 34027 42354 42411 42431 42442 42842 50579 50632 50810 60090 68483 68576 87478 8938* 16562* 16609* 16740* 16801* 24140* 24708* 24728* 33241* 42112* 60005* 68424* 68727* 68960* 69019* 87401* 88040*
bibliographies 999 42339*
reviews 60177*
effects on pollen 24940 59684
effects on poultry 3826 3836 37066 37067 46008 72646 45961* 80831*
effects on proteins 30290*
effects on rice 9149
effects on rubber 14564
effects on rye 16812* 42372*
effects on Saintpaulia 24867
effects on seeds 939 8901 16915 24706 24762 24844 24940 42348 42550 42652 42749 51406 53381 59747 68575 71193 9173* 24739* 33919* 34230* 34241* 59746* 59852* 68328* 68873* 69121* 86786* 87413*
effects on Senecio vulgaris 720

Item

Radiation--Cont
effects on sheep 12117 37269*
effects on soybeans 42443
effects on Spermatophyta 9837
effects on swine 37400*
effects on tobacco 68261
effects on tomatoes 16460
effects on Tradescantia 24680 42246
effects on trees 9219*
effects on vegetables 6726
effects on wheat 914 9166 16282 24727 24765 59715 87281 16440* 24739* 33978* 42372*
effects on yeasts 8975* 68759*
hazards and safeguards 58371 19479* 73451* 90762*
bibliographies 5994
in entomological research 63711
in pest control 4458 28764 46349 55534 63725 81546 86120 4692* 4693*
reviews 46320*
in soil sanitation 2503 86120 89550
measurement 52372
SEE ALSO Alpha rays; Beta rays; Gamma rays; Infrared rays; Solar radiation; Ultraviolet rays; X-rays; and SUBHEAD irradiation UNDER names of commodities
Radiation inhibitors 38548
Radicals (chemistry) 88240
Radinaphelenchus cocophilus 37719
Radio 7766*
education and information 21811 40886 58174 66904 85850
in forest fire control 10813 10849 90272
in forestry 26991 90069*
in pest control 28822
in tractor operation 64960
Radio frequency heating SEE High frequency heating
Radioactive contamination 13815 32516 41137 19059* 53945*
algae 16751*
animals 17982 27422 27469 27863 27864 28390 28391 28396 28459 28470 28478 33800 36255 45592 49773 54925 11277* 18128* 19471* 19554* 27340* 36296* 45246* 79797*
dairy products 6313 22058 30574 65401
eggs 37114
feed 3385 6322 28391 39422 39441 93052 79797*
food 6005 21850 30238 30243 31440 38986 38991 39422 40095 47738 47806 56356 56421 83448 83452 83459 83461 83462 93052 21842* 38876* 53861* 53944* 53945* 54041* 56422* 65081* 65084* 83473* 93090* 93102*
bibliographies 5994
fruit 84297*
insects 29496* 81962*

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Item

Radioactive contamination--Cont
livestock products 40095 31249*
meat 22603 84678 84674* 84743*
milk 3385 6322 27863 27864 39384 44065 47990 56719 74830 74831 83843 30518* 47993* 56717* 74828* 83855*
plants 1162 8532 25007 25089 28459 28470 42726 44500 49773 51263 51277 51303 51404 68702 77577 87613 943* 9219* 16619* 16801* 18010* 18128* 19066* 68947* 68948*
reviews 87710*
rice 42639
soils 1162 17982 17983 21636 35130 42726 44500 49773 51031 51303 51404 52564 61131 61177 77577 9219* 16619* 18010* 18128* 52462* 61168* 61176* 61634* 70272*
reviews 87710*
vegetables 84297*
water 53774 5908*
wool 39472
Radioactive tracers
in agricultural research 8009 8095 41229 58464 67147 86254 86266 8086* 23729* 32490* 32508* 32602* 49891* 76786*
conferences and congresses 76785*
directories 58378
in animal research 3862 27475 45194 45216 62926 90957 25024* 28270* 36954* 36958* 62489* 71859* 72873* 79777* 80935*
reviews 45283
in entomological research 4422 4720 29526 29527 29746 46310 63711 64202 73859 82449 82810 20678* 29496* 38372* 55919* 64238* 64455*
reviews 37472* 46320*
in fertilizer research 52530 44241*
in forestry research 16504 53109 2547* 61685* 89962*
in herbicide research 43703
in insecticide research 81719 81662*
in leather research 7005
in plant research 1174 8856 8945 8946 9021 9168 27475 41254 41663 42699 42754 42771 50922 50964 51182 51502 60132 77713 87542 87551 87887 1305* 8157* 8918* 24140* 25024* 25111* 33850* 34198* 34221* 41624* 42523* 42628* 42748* 43789* 59815* 68567* 68586* 68711* 68746* 68773* 69052* 77497* 77527* 77611* 78017* 87771* 87772*
in pulp and paper research 2912

Item

Radioactive tracers--Cont
in soil research 26125 35128 43897 52376 52484 52530 2093* 17885* 26076* 35116* 78274* 78417* 78875*
in sugars research 85037*
in virus research 62437*
in wood research 53738
Radioactivity
in animals 41114 28476*
in food 14349 41114 66166
conferences and congresses 21794
in man 41114
in plants 8938* 34084* 76771*
in soils 89520*
bibliographies 2082
in wool 39472
Radioautography SEE Autoradiography
Radiography SEE X-rays
Radiometer 76782*
Radiomimetic substances 24566 42235 87455
Radishes
analysis and composition 22339* 48339*
anatomy and physiology 4439 34005 42925 68551* 68608* 68669* 87723*
biochemistry 77787 77802 41294*
breeding 69957*
culture 17623 1874* 34871* 89194*
fungus diseases 50427
genetics 59742 59693* 68517*
hybrids 87417 59693*
morphology 59593*
pest control 55395
seeds 2161*
storage 48339*
varieties 59742 25808* 69957*
virus diseases 562 584* 42051* 59190*
Radium 59544*
Radopholus similis 8626 24468 24486 50524 50531 50559 77269
Radula 32882 32900
Raffinose 24935* 33992* 57526* 66236* 77825*
Ragimillet
anatomy and physiology 1242 25018 51397
culture 9399
fertilizers 26302
fungus diseases 86922
statistics 31151
Ragimillet flour 84474
Ragweed SEE Ambrosia
Ragwelellus SEE Eucerocoris (Ragwelellus)
Raillietia auris 81490
Raillietina cesticillus 11944 82344
Raillietina echinobothrida 46003
Raillietina georgiensis 20254
Raillietiniasis SEE Tapeworms
Railroad Perishable Inspection Agency 84302
Railroads 66825
and forests 19094 71221 2813* 26848* 26903* 53518* 62035* 62038* 62051* 62055* 79451* 90281*
education and information 23515
history 21838
Hungary 90148*

Item

Railroads--Cont
SEE ALSO Freight cars; Freight rates; Railway ties; Refrigerator cars; SUBHEAD by rail UNDER Transportation, and SUBHEAD transportation UNDER specific subjects
Railway Express Agency SEE REA Express
Railway Tie Association 11001 11002
Railway ties
associations 53610
care and handling 71419
directories 11001
France 71482
industry 11002 27085 45011 53600
preservation 10964 10968 27064 44990 53578 10957*
history 44974
tests 71440
preservatives 19185
properties 90488*
seasoning 44965 71419 19162* 27089*
situation and outlook 10989
statistics 10997 27086 90386
tests 19216
trade 45013
Rain forests 82082
Amazon Basin 42165
Brazil 59338*
Colombia 46201
New Zealand 68103
Rhodesia and Nyasaland 82106
Venezuela 24514*
Rainbowia n g 4955
Raindrop erosion 53061 78969 10446* 10447* 44481*
Rainfall SEE Precipitation
Rainulator 53041
Raisins 30991 39691 94773
Rakes 13252*
Raleigh (N C) Agricultural Policy Institute 40425 76029
Ramalina 58796 58797
Ramalina scopulorum 58798
Ramalina tayloriana 88251
Ramaria subbotrytis 41568*
Ramaswamiahiella 5588
Rambutan 1687 50782
Ramecia 82316
Ramecia mendica 82316
Ramichloridium musae 471
Ramie
anatomy and physiology 33664
breeding 43181
culture 34465 43181 60490* 77918*
feed 19423*
industry 22220 84056
properties 6534
structure 65638*
utilization 22220
Vietnam 19423*
Ramonda 34809*
Ramphasticola 5594
Rams
anatomy and physiology 37173 37186 46102 80983 27217* 91714*
and heredity 4028 46099 54882 4030* 28413* 37185* 72772* 72778* 72797* 80988* 91641*
care 4071 28422 46100*
disease resistance 63435
diseases 12138 63477 72876 81086 81101 12133* 80348* 81028* 91675* 91689* 91690*

Item

Rams--Cont
diseases--cont
Australia 54952
Italy 20418*
feeding and nutrition 80968 28423* 54907* 91662*
fertility 4057 12073 20325 20327 46096 3026* 72791* 91625* 91662*
habits and behavior 28493 37184*
immunization 91735
parasites 81051
records and testing 72781* 72793* 80980* 90847*
selection 63392 12072*
Ramularia 8547*
Ramularia areola 24188*
Ramularia armoraciae 254
Ramularia carthami 440
Ramuloppia n g 29283
Ramulosin 68712
Ranatra elongata 92512
Randox T 17642
Rangers SEE Forest rangers
Ranges 11471
brush control 43749 89316 89336
burning 25431 52256
California 1558 17143
Canada 77950
contests 25423
costs and returns 9460 23246 40661
desert areas 3323 51798
ecology 8650 50597 87199
fertilizers 78729
California 26358
desert areas 2289
Montana 51395 52862 52863 52864
Oregon 18298
Ozark Mountains 35891
Washington 26972
Great Plains 25475
history 43221
leasing 40703 40709 66781
management 3396 3615 4083 19744 19777 20366 21707 25487 27602 34501 40661 44485 44646 51787 60497 60572 72806 79386 85542 88701 25492*
Arizona 78952
California 1547 17170 25440 26199 51799 53314 69529 88567
Canada 1587 42649 69519 88576
Colorado 9460
desert areas 2289
reviews 60553
India 77959
Louisiana 25431
Montana 61047
Nebraska 54150
Nevada 1581
New Mexico 78952
North Dakota 69593
Oklahoma 9478
Oregon 17200
Pacific Northwest 43255
Pakistan 17201
Spain 25425*
study and teaching 1611 17167 88522
Texas 17202 51761
Turkey 88699*
Western States 88609
Wyoming 1625 44131 79415
Montana 69577 88702
North America 77957

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Item

Ranges--Cont
Oregon 1619
pest control 92073
pests 13060 41640
planting 1591 8684
26972 34476 35891
policies and programs 66823
research 1618 51778
60556 61288 88709
equipment 17216
17218
statistical methods 1611
sampling 1618 51797
60593 88654
soils 2056
Spain 45177*
Utah 17214
weed control 89310
California 17741
Nevada 17719
Oregon 52291
Pakistan 17713
Washington 52326
Western States 51798
Wyoming 88513
SEE ALSO Grazing; and SUBHEAD feeding and nutrition, pasture and range UNDER Livestock and names of animals
Ranikhet disease SEE Newcastle disease
Ranula 20037 28052
Ranunculaceae
anatomy and physiology 32622
cytology 16276* 24665*
68301* 68355*
East Africa 24010*
morphology 50652* 59356*
59478*
USSR 86438*
Ranunculus 59374 68233
32832* 87586*
Ranunculus acer SEE Ranunculus acris
Ranunculus acris
43825 51375 80448
17755*
Ranunculus auricomus 24608
Ranunculus ficaria 1140
8213 64574*
Ranunculus fluitans 58661*
Ranunculus hyperboreus 16270*
Ranunculus repens 43795
Rapala varuna 29679
Rapateaceae 731
Rape
anatomy and physiology
8995 24582* 33989*
59966* 60251* 68805*
69082* 87584*
biochemistry 9266
breeding 51814 88716
87441*
costs and returns 76250*
94489*
culture 60605
Germany
East Germany 34497*
43317*
Hungary 10331*
Japan 17007*
Netherlands 25508*
Sweden 9518* 51730*
51736*
diseases 33138
fertilizers 35369*
forage plant 43309* 51736*
88553*
genetics 87441*
germination 4658 92117
59966*
honey plant 70123 70125
70161 70146*
injuries 33989*
pest control 4659
Austria 37617*

Item

Rape--Cont
pest control--cont
Czechoslovakia 46517*
Finland 92118
France 37621*
Germany 37622
East Germany 20719*
Poland 73203*
pests
Canada 81672
forecasting 20719*
France 37626*
Germany 37630*
habits and behavior 82352*
Poland 81678*
planting 43309*
proteins 9266
seeds 4658 4659
92117
spraying and dusting 37617*
statistics 40059
utilization 60605
varieties 9266 60605
25508* 34417* 34546*
51730*
weed control 43766*
yields 43309*
Rape straw 43898*
Rapeseed 48809*
analysis and composition 31341
industry 40033
quality 31341
situation and outlook 84783
statistics 75609
utilization 31421
Rapeseed oil
analysis and composition
14465* 48782* 68805*
Europe 22649*
feed 45934
quality 88716 48809*
Rapeseed meal 28217 37190
62662* 72011*
Raphanus raphanistrum 47441*
Raphanus sativus SEE Radishes
Raphidia grandii 92668*
Raphidiidae 92668*
Raphidophoridae 47216*
Raptiformica sanguinea 38365*
Rare Fruit Council 60681
Rasp leaf
cherries 8585 87009
Raspberries
analysis and composition 30956
anatomy and physiology
1114 8905 9028
bacterial diseases 33354
525* 8562*
breeding 33776 9654*
25655* 43444*
culture
France 17368*
Great Britain 43451
Netherlands 34689*
Sweden 17374*
Switzerland 1735*
9673* 9674*
USSR 70687* 88943*
88955*
diseases 15940*
enzymes 30956
fertilizers 70687*
flavor and odor 30956
52879
for processing 75150* 57089*
forage plant 88593
fungus diseases 15977
86886*
genetics 33809 55476*
hybrids 9028
identification 9671
injuries 33106
pest control 37752 15940*
pest resistance 37710
46528* 55476*

Item

Raspberries--Cont
pests 82122 82123
46550* 92313*
planting 43451
propagation 41972
quality 57089* 75150*
seeds 9028 33809
soils 52879
storage 22415
varieties 9671 25671
43447 55476*
Canada 1710
France 88958*
Germany 43442*
Great Britain 78091
Netherlands 34689*
New York 9676
Southern States 17373
Sweden 17374*
Switzerland 1735*
USSR 88955*
virus diseases 41972
46528* 87070*
Canada 59182 87079
Denmark 87089*
Eastern States 24404
Great Britain 41979
weed control 35035 35036
35050 25051 35059
43795 43818 89379*
Raspberry juice 22385*
Rat-bite fever 91193
Rat virus 3805
Ratineau J 41178*
Ratoon stunt
sugarcane 33372 33373
33379 50515 67983
67984 24416* 33386*
68038*
Rats
anatomy and physiology
36345 55287* 55288*
and disease 36294*
as pests 50200 84756
8400* 71306*
control 24136 30288
76648 32512* 56458*
58380*
Arkansas 15493
Australia 50181
France 30036*
Great Britain 32492
Hawaii 41644 41699
India 49745 50151
67736
Ireland 94845
Italy 15885*
Pennsylvania 23721
Republic of South Africa 31127
Spain 56472*
USSR 62508* 90575*
90797
deficiency diseases 80688*
digestion 20108
embryos 54673 80682
estrus 28140 36953
45851
feed relationships 36929
36942
feeding and nutrition 3797
20108 81226 45853*
55287* 80676*
deficiencies 45857
11857* 20105*
in pregnancy 36946
growth 36929 36942
45858 81218*
lactation 80678
metabolism 28747 63195
11857* 54678* 72436*
pest control 81557 92016
pests 12413 20689 63827
81488 92035 37524*
37525*
poisoning 36946 28139*
55287* 55288* 72450*
81473*
pregnancy 54673 80678
72451*

Item

Rats--Cont
respiration 20107*
restraint 45854
surgery 36930
Rattle
tobacco 8644 24403
42026*
Ratz I 76701*
Rauscher's method 55215*
Rauwolfia 9968 43875*
Rauwolfia congolana 76951*
Rauwolfia nitida 16953
Rauwolfia serpentina 12916
59955 68639 77648
52343*
Ravaglia F 32524*
Ravenna Ispettorato Provinciale dell'Agricoltura 31877*
Ravich I I 86179*
Raw materials 83314*
SEE ALSO Agricultural products
Rayieria n g 64510
Rayon
acetate 6580 48216*
74988* 74992* 75040*
analysis and composition 6602*
carding and combing 39573
chemistry 75039*
industry 93500
manufacture 13928 93524
6535* 13930* 39502*
39583* 39584* 48237*
48255* 74992*
moisture 93525 30836*
39584*
processing 48212 84093
6494* 30836*
properties 6580 22210
39585 84069 13919*
13952* 30765* 30773*
39457* 39583* 39584*
75039* 75040*
quality 6535* 13919*
spinning 65663 13965*
30848* 39511* 39538*
48216* 65647* 74980*
structure 6503 6580
56925
tests 6505 22210 22214*
textiles 56864 74943
13966* 39570* 48217*
74997* 75027*
utilization 83991
viscose 2911 6503
6505 22210 30754
65650 65663 75005
84069 6602* 13952*
13965* 30773* 30811*
30848* 39457* 39511*
48180* 48217* 65660*
74997* 75036* 84089*
Rayss T 8016
REA Express 83381 83382
Readers and reading 15286
66888 40887*
Reading (England) University
Dept of Agricultural Economics
publications 31685
Museum of English Rural Life 7794
National Institute for Research in Dairying 74879
83901
Real estate SEE Farms and farming; Land
Rebutia 96
Recentia n g 12951*
Recipes SEE UNDER Cookery
Reciprocal Meat Conference 14334
Reclamation 26421 26443
26459 26460 26558
52912 52919 52938
52976 52988 61565
26395*
associations 70789 7809*
70727*

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Item

Reclamation--Cont
Australia 2410 61541
bibliographies 2392 2394 26398 52900 26538
British Guiana 10377 52906
California 35464 44342 53008 78825 78794
China 70832
Coachella Basin 2404 26431
Colorado Basin
conferences and congresses 52980 70790 35452*
Congo 2427*
Corsica 35482*
costs
Germany 53017*
East Germany 61526* 89846*
Netherlands 40658* 53017*
USSR 26483* 70816*
Czechoslovakia 26504
Denmark 10345* 52981*
desert areas 18484
directories 70969
equipment 44424 44370* 47433* 47434* 70721*
Europe 70751*
Finland 35483*
Florida 18558
Germany 35484* 35494* 35506* 35516* 35542* 70781* 70812*
East Germany 44377* 44422*
Ghana 35576
Great Britain 78539
Greece 35461
history 2459* 2465* 78901*
India 10437 26397 26472 26503 35473 35519 78812
Iran 18417 44412*
Iraq 44412*
Ireland 2398 10378 35471
Israel 2376 26497 35505
Italy 26524 94569 2454* 18529* 26408* 26506* 26512* 26539* 32104* 35486* 35515* 61497* 70724* 74452* 76189* 76290* 78805* 85173*
Japan 10359 15168 26567 44354 89592
legislation 70820
Malaya 26389
Montana 52926
mountain areas 78881*
Near East 44367 52930
Netherlands 26435 78839 10434* 18453* 44433* 44439* 49380* 89880*
New Jersey 10428
Norway 35483*
Pakistan 10392 26387 26392
policies and programs 35539 70969 44437*
Italy 18411* 61482*
Ohio 67161
USSR 2428* 35487*
projects 47831 61518 61564
France 44338
Italy 18691*
Oregon 70831
statistics 93189 93190
Western States 44418
Puerto Rico 10341
Rhodesia and Nyasaland 26181
reviews 89888*
Rumania 78860*

Item

Reclamation--Cont
Sicily 49357
Spain 24509 26416 78804*
study and teaching 44382*
Sudan 18562
Sweden 35483*
Taiwan 2458*
taxation 40356*
Tunisia 78849*
Turkey 18514 26391
USSR 18412 18528 52373 70815 2373* 2429* 2451* 10348* 10415* 10433* 18455* 26406* 44315* 44359* 44369* 52935* 61129* 61268* 61307* 70703* 70707* 70792* 70837* 78784* 78796* 78877* 78894* 78910* 78922*
United Arab Republic 26536
Utah 44334
SEE ALSO Drainage; Irrigation; Land, clearing; Marshes; Moors; Strip-mined areas; Swamps
Recreation 40743 61518
Appalachian Mountains 94689
Ecuador 23473*
France 40372* 40794* 40806* 40830* 40848* 40881* 58164*
Germany 85762* 94680*
Kentucky 76437
Netherlands 85851*
SEE ALSO SUBHEAD recreational use UNDER Farm woodlands; Forests; Land
Rectal hernia 11693
Rectal prolapse 91684 73014*
Rectum 3599* 27731*
Recurvaria milleri 92243
Recurvaria starki 4749 21426
Red-admiral SEE Vanessa atalanta
Red alder SEE Alnus rubra
Red-banded leaf roller SEE Argyrotaenia velutinana
Red blotch
lemons 51009
Red clover 1567
analysis and composition 22164
anatomy and physiology 1244 9013 9014 16559 16796 29197 42851 42876 44146 51208 51433 59841 60185 77719 87718 16615* 59845* 60227* 68549* 68552* 68786* 69008* 69042* 87514* 88025* 88065*
biochemistry 51576 79730 1387*
breeding 25494* 43256* 88679*
contamination 12461
culture 88533 1610*
Finland 69576 9471* 9504* 9512*
Germany 17179*
Minnesota 51748
Norway 25494* 60532*
Poland 88555*
Sweden 9482*
defoliation 43287*
diseases 88533 33076*
ecology 59841
feed 11856 71706 91651
fertilizers 44146 59841 89663 59384* 61350*
fungus diseases 8431 24199 33275 50359 77107* 86872*

Item

Red clover--Cont
germination 42876 60199
hardiness 59845* 60548* 60569* 61350*
harvesting date 34535*
hay 27244* 71668* 90551*
hybrids 43295*
irrigation 68552*
morphology 59383* 59384* 59481* 59605* 68549*
nutritional deficiencies 59776*
pest control 12461 55471
pests 4628 73222 20691*
planting 34534*
pollination 4371 28765 59986 73437 91962 28788* 73453*
propagation 16559
seeds 1244 42851 73437 1610* 43213* 87514* 88679*
certified 51748
Finland 9512*
Germany 48894* 69582*
Great Britain 89663
history 48894*
Norway 25494*
USSR 34534* 34535*
Washington 55471
soilless culture 88065*
soils 59841 61350* 68552* 78432*
Spain 25489*
taxonomy 76978*
toxicity 20193*
varieties 9472 51433* 76978*
Canada 51774
Finland 69576 9471* 9504*
Germany 69582*
Latvia 60548*
Norway 60532*
Sweden 9482*
USSR 60569*
virus diseases 59134*
yields 88533 43213* 59845*
Great Britain 89663
Latvia 60548*
USSR 34535*
Red Cross (Germany) 66940*
Red fescue SEE Festuca rubra
Red flour beetle SEE Tribolium castaneum
Red gram SEE Pigeonpeas
Red heart
Pinus contorta 27067
Red maple SEE Acer rubrum
Red node 8606
Red pine SEE Pinus resinosa
Red ring
coconuts 37719
Red rot
sugarcane 50256 59058 59059 59060 20743*
Red soils 2494
France 61283* 61284*
India 78528
Indonesia 61300
Italy 26256*
Mediterranean area 78526*
Tropics 78526*
USSR 35200*
Yugoslavia 43919*
Red spiders SEE Tetranychidae
Red spruce SEE Picea rubens
Red stele
strawberries 33195 59076 67829
Red stripe
sorghum 33398
sugarcane 50453
Red water disease 45654 80377 91143*
Red-Yellow soils 89588*

Item

Redcedar SEE Juniperus
Reddish Brown Lateritic soils 35300* 78280*
Reddish Brown soils 61285
Redpeppers
analysis and composition 22331* 22340*
anatomy and physiology 42882 34095* 68342* 68741* 69051* 87719*
bacterial diseases 533 16106 24395 41958 59101 77211
biochemistry 25234* 69201*
breeding 1846 89225*
color 83695*
costs and returns 94499*
culture
Australia 9838
Brazil 78138*
Czechoslovakia 52126*
Mississippi 52156
Rumania 52127*
USSR 70006*
disease resistance 1846
fertilizers 16106 60894 18379*
flavor and odor 89225*
for processing 52072 69934*
genetics 34095* 87416*
irrigation 52911* 89857*
marketing 65734
pest control 20721 81633 81647
pests 29054*
planting 60894
ripening 75244*
spraying and dusting 16106
storage 75244*
varieties
Brazil 78138*
Bulgaria 69201*
Delaware 52072
Florida 60894
USSR 69934* 70006*
West Africa 9857
virus diseases 50517 92115*
vitamins 22340*
weed control 52297
yields 18379* 70006*
SEE ALSO kinds of redpeppers
Redtop SEE Agrostis alba
Reducing sugars 7262 7267 30825 85064 14598* 88115* 94029*
Reductase 42934 51467 88179 1351* 6645*
Reductase test 83776 13743* 74689*
Reduviidae
as predators 73738
insecticide resistance 4328
Malagasy Republic 21313* 21314* 29570*
Pacific area 38358
Sudan 21312*
taxonomy 5224* 38349* 47053* 64526*
United Arab Republic 82568*
Reduvioidea 55859 82532
Redwood SEE Sequoia sempervirens
Redwood Region Logging Conference 27030
Reed canarygrass SEE Phalaris arundinacea
Reedgrass SEE Calamagrostis
Reeds
analysis and composition 48194*
anatomy and physiology 42793*
building material 30080* 47585* 47586* 92982*
control 25887*

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Item

Reeds--Cont
costs and returns 85632*
culture 51724*
ecology 59305* 87183*
feed 53795*
harvesting 29927* 29933*
processing 30771* 45189* 56851*
pulp 48166* 48197* 48201* 84019*
storage 30775*
transportation 84029*
Reflexes SEE UNDER Insects; Livestock and names of animals
Reforestation 44834 53400 10738* 26884* 44926*
Amazon Basin 10767
Australia 10727
Belgium 35841*
Brazil 18993
California 10711
Canada 18997 35790
Ceylon 71204*
conferences and congresses 18937
costs 10747 19006 35797 40759 19021*
Czechoslovakia 71222*
desert areas 10701 71180 10799* 90179*
effects on insect populations 21015*
Ethiopia 35802
France 35876 10769* 26889* 53201* 60547* 79315*
Germany 81907*
East Germany 10720* 18984* 35801* 35833* 35892*
Great Britain 79288 79359
Greece 10085*
history 2710 2761 61914
Hungary 19010* 35789* 35796* 44814*
India 2754 61913 78344
Iran 35656*
Ireland 79331
Israel 10733 71270 71288
Italy 53503* 58111* 71249* 79350*
Malaya 35750 44743
Mediterranean area 79287*
Mexico 19018* 44837*
Mississippi Basin 53397
mountain areas
Italy 26868* 79281*
Portugal 2744*
Spain 27479*
USSR 18995* 90249*
Netherlands 53365*
Norway 90162* 90198* 90238*
New York 2748
Nigeria 2715*
Northern Ireland 79283
Norway 10760* 53416*
Ohio 44822
Oregon 26919
Philippines 18925 71179 71241
Poland 71228* 71287* 90175*
policies and programs 29146
Austria 18682*
Czechoslovakia 90239*
Ethiopia 10567
France 61714* 62001*
Italy 79088*
Peru 10561*
Philippines 18708 26706 26707 70965 70971 70982 70983

Item

Reforestation--Cont
policies and programs--cont
Republic of South Africa 61717
Turkey 90036*
USSR 18689 79394*
Portugal 10710*
Republic of South Africa 90205
reviews 2719*
Rumania 2708* 2745* 10791* 26905* 71172*
Scotland 79318
Southern States 53190
Spain 79289 10758* 18981* 19020* 71176*
Sweden 79336*
Switzerland 18953* 26873* 44803* 59255*
Trinidad and Tobago 10709*
USSR 2696* 2703* 10763* 18943* 18945* 18946* 18974* 18988* 19001* 21015* 26406* 26856* 26901* 26908* 44799* 53131* 61920* 79361* 87191* 90042* 90139* 90173* 90202* 90254*
Washington 79327
West Virginia 71184
Yugoslavia 71252* 71268* 79285* 79310* 79340*
Refractive index 83345
Refractometry 34048 37933 57530 60039 66238 6126* 56548* 60256* 65099* 80229* 84192* 94033*
Refrigerants 39324 74533 83552 30296*
Refrigeration 13412*
bibliographies 93158
conferences and congresses 65217
Denmark 65196*
equipment 21892 56780 14422* 21718* 30655*
Great Britain 56484
Rhodesia and Nyasaland 65237
SEE ALSO Food, freezing; Locker plants; Refrigerator cars; Trucks, refrigerator; Warehouses, refrigerated; and UNDER specific subjects
Refrigeration Research Foundation 83560
Refrigerator cars 6930 30159 30188 48353 83418 84249 93832 30168* 93063*
Regional planning 7744 66892 66894 66895 76371 23447* 76336*
Appalachian Mountains 94633
Australia 49435
Austria 23446*
Belgium 49443*
California 40787*
Colombia 76374
conferences and congresses 49136*
Delaware Basin 76379
Europe 75838*
France 66893 15177* 40795* 40796* 49436* 58170* 76365* 76368* 93060*
Germany 23449* 40788* 40789* 49433* 49441* 53148* 53158* 58120* 58122* 71009* 76369* 76372*
Great Britain 15179* 76373*

Item

Regional planning--Cont
Hawaii 32150
Israel 23448*
Italy 32148* 49432*
Latvia 23441*
legislation 40797*
Netherlands 7743* 49431* 49438* 76370* 76380* 94628* 94652*
Poland 18681
Rhodesia and Nyasaland 85816
Spain 15176*
study and teaching 49430*
Tennessee Basin 15178 23453
USSR 15173* 23311* 23445* 32108* 49444* 94635*
Venezuela 15172*
Regional Rural Health Conference Intermountain States 49496
Regions 7339 23172 49153 66501 9502* 40713* 66548* 86280*
Africa 7873
Australia 57873
Bulgaria 85782*
China 66515*
Czechoslovakia 66842* 66845* 76344* 76839* 85376* 85377*
Estonia 18489*
Europe 14897 31827*
European Economic Community 85364*
France 57980* 66576*
Germany 31893* 40241*
East Germany 66578*
Hungary 31761 7479*
Italy 7357 31678 75968*
Middle Western States 31670 31686
Mongolia 75966*
North Carolina 65734
Poland 14889* 23174* 40461* 94334*
Portugal 57842*
Rumania 85759*
Southern States 53177 94631 94632 94636 94637
Taiwan 49194*
USSR 57798 94302 13201* 15006* 40263* 47354* 61290* 66319* 70766* 75967* 76324* 84994* 85360* 85584* 85736* 85761* 85765* 86250*
USSR bloc 57798 66319*
Registered Vaccinated Herds Scheme (Gt Brit) 55065
Regnellidium 68348
Rego J L 23778
Regression analysis 13476 31668 31688 66636*
Regulation and inspection 65161*
Reichenbachia 82271
Reichenow E 15579*
Reindeer 43267 79991*
diseases 62475
feeding and nutrition 71334 8167* 27270* 79695*
industry 62523 67166
pest control 37592*
pests 29416* 92051*
Reinhold J 49794*
Relapsing fever 63845* 63846*
Relapsing-fever tick SEE Ornithodoros turicata
Relascope 53234 18748* 26775* 44664* 61775* 61778* 71052* 79163*
Relaxants SEE Sedation and names of sedatives

Item

Relief and rehabilitation SEE SUBHEAD relief programs UNDER Food; Wheat
Religion 15191 32163 58194 66556 66974 40482*
SEE ALSO Churches; Clergymen; and names of religions
Remezov N P 76719*
Remirea maritima 24000*
Remispora hamata 16665*
Renard G K 8033*
Renaudicoris n g 64526*
Rendzina soils 26166* 44213* 70455*
Renfrew County (Ontario) Soil and Crop Improvement Association 77838
Rennet 30628
analysis and composition 47911
chemistry 39377
effects on casein 13741* 39276*
effects on cheese 30638*
effects on milk 39366* 65393* 74882* 83807*
substitutes 13853
Rennin 6372 13840 39377 83740* 93289*
Rent 66781 66798 93193
Germany 7695* 76352*
Iowa 23386
Italy 40725*
Netherlands 7720* 23389*
Spain 23387*
SEE ALSO Leases; and SUBHEAD rental UNDER Equipment
Rent (economic) 23040 7399* 35622* 44645* 66421* 66422* 66425* 66776* 83517* 94476*
bibliographies 85247
Repair and technical stations 38728* 38731* 40287*
Repellents
analysis and composition 46309
Apis mellifera 4781 4793
birds 10806 24150
effects on plants 86702*
insects 63712 73149 81842 81955 82111 4730* 28939* 28940* 73247* 81375* 81981* 92001*
tests 4590 81494 4460* 20612* 55177* 55248* 55297* 55314* 55322* 55372* 64041* 73186*
rabbits 35788 53422
rodents 53422 32512*
slugs 81433
ticks 28855 20612* 28838* 37568* 55297*
wildlife 19034 61942 86702*
SEE ALSO names of repellents
Repertoire des Industries Alimentaires Belges 5915*
Report writing 85826
Reproductive system SEE Sex organs
Reptatrix n g 38417
Reptiles 12405 73570
Republic of South Africa Chicory Control Board 39630 84165
Republic of South Africa Citrus Board 14105 14106 84166
Republic of South Africa Dairy Industry Control Board 83730
Republic of South Africa Deciduous Fruit Board 22320 75080 75222 84167

*Text of this reference is not in English.

Item

Republic of South Africa Dept of Agricultural Technical Serv
Div of Agricultural Mechanisation and Engineering 29872 82999
publications 49186
Republic of South Africa Dried Bean Control Board 65739
Republic of South Africa Dried Fruit Board 14107 84275
Republic of South Africa Egg Control Board 57431
Republic of South Africa Land Serv Movement 49531
Republic of South Africa Livestock and Meat Industries Control Board 22570
Republic of South Africa Lucerne Seed Control Board 75708
Republic of South Africa Mealie Industry Control Board 65919
Republic of South Africa Oilseed Control Board 22736 75585
Republic of South Africa Potato Board 6625 84168
Republic of South Africa Tobacco Industry Control Board 14637 22920 57598
Republic of South Africa Wheat Industry Control Board 39864 84504
Republic of South Africa Wool Board 48243
Research 7502 7802 8085 8086 8087 8088 8097 8103 8105 8113 23475 23844 23847 25369 32203 32594 32595 40465 41227 41232 49894 76066 76432 76787 76788 76790 76796 23469* 94948* 94950*
Alabama 8099 32601
Argentina 41225*
Arizona 94942
Australia 8089 8090 15235 15607 41231 57824 58472
Belgium 76789* 76797* 76799* 86262*
Brazil 32606* 49389*
British Colonies 41228
Bulgaria 23840 58461
California 8108 49874
Canada 8092 46355 58463 58470 66596
Colombia 32599* 76792*
conferences and congresses 8084 23830 40264 23831*
Costa Rica 86258
Czechoslovakia 14809* 67278* 86272*
Denmark 86255*
directories 31898
equipment 8095
Florida 94947
Georgia 49878
Germany 14683* 15595* 15608* 32592* 76422* 76795*
East Germany 32172* 76415* 86256*
Ghana 41235 94958
Great Britain 8098 15601 23829 86259 86274 94956 45171* 76800*
Guatemala 49879*
history 23471 94944 94945*
Illinois 32597

Item

Research--Cont
India 8096 8102 23832 23843 32596 32598 76791 86260 86261
Iowa 23836
Jamaica 32593
Japan 86275*
Kansas 15596
Kentucky 49881
Kenya 41224 41226
Latin America 32600*
Latvia 32607* 32608*
Lithuania 86264
Louisiana 8111
Maryland 58467
Massachusetts 8100
Mexico 77856 93687 86269*
Minnesota 49886 86268 86277
Mississippi 23841
Missouri 58468
Mongolia 76798*
Nebraska 32604
Netherlands 32613 41234 15506* 15600* 32142* 32591* 32611* 67277* 67279* 86252*
New Jersey 23846
New York 49888 94954
New Zealand 7754 23838 32605 49875 58462 94951
Nigeria 23842 74445 94955
Northern Ireland 49880 86271
Norway 76802*
Ohio 58469
Pennsylvania 49887
Philippines 58466
Republic of South Africa 15604*
Rumania 86265
South Carolina 15606
South Dakota 49890
Surinam 8094*
Sweden 49883*
Tanganyika 49892
Texas 15609 49885 67283 86270
Thailand 32215*
Tropics 23837*
Uganda 8107
USSR 49895 86276 8093* 15598* 15602* 41230* 41233* 49882* 58465* 67281* 76793* 76801* 76803* 86253* 86257* 86273* 94957* 94959*
United Arab Republic 40867
Utah 8112 49893
Venezuela 8101*
Virginia 32612
Washington 76806
Wisconsin 32614 76807
SEE ALSO Experiment stations; Experimental farms; and names of experiment stations and research agencies
Research Conference 5921
Reseda luteola 16913*
Reseda odorata 51519
Reseda stricta 41491*
Resendea n g 58767*
Reserpine
effects on ducks 80891*
effects on mice 72443* 80693*
effects on poultry 11890 11955 46013
effects on sheep 4098
effects on turkeys 11999 45886 46041 72572 72573 72600 91435
in feed 93460
therapeutic use 3449*
Reserve Bank of India 7538

Item

Reservoirs 655 52990 61606 66862 26535* 34016* 78870*
Australia 47619
California 52940
India 44090 78938
Japan 70302* 78835* 78846* 78905*
Poland
reviews 64424*
Pyrenees 77302*
USSR 35500* 43461* 63811* 68094* 68175* 70202* 70838* 74380* 89070*
Western States 52909
Resettlement SEE Land, settlement and colonization
Resin acids 2944* 36094*
Resins SEE Gums and resins
Resistencia Argentina Taller de Conservación de Suelos 78942*
Resorcinol 24398*
Resource planning 7707 23177 23190 31816 40438 40475 49266 58082 66596 66892 76074 85391 94614 94629 94630 32110*
SEE ALSO Land, utilization; Policies and programs
Resources SEE Natural resources; and UNDER Forests
Resources for the Future 23297
Resources for Tomorrow 40495 67154
Respiration SEE Artificial respiration; and UNDER Insects; Plants; and names of animals
Respiratory system 28515 27975* 45298* 81316* 81559*
Restaurants SEE Cookery, large-quantity
Restraint SEE UNDER Livestock and names of animals
Resuscitation 91186*
Retained placenta 53835*
cattle 3444 27699 11689* 27524* 54325* 54452* 62787*
treatment 19936 27815
horses 54641*
Reticulitermes 5645*
Reticulitermes flaviceps 37825* 38591* 64064*
Reticulitermes flavipes 21486 47249 55566 64113 81885
Reticulitermes hesperus 82900
Reticulitermes lucifugus 46642 81885 12641* 56018*
Reticulitermes lucifugus santonensis 12643 47261* 64064*
Reticulitermes virginicus 47249
Reticulo-endothelial system 36277* 45355*
cats 54571* 72356*
dogs 36809* 54571* 72356*
guinea pigs 28156*
sheep 81088*
Reticulosis 3693* 11770* 20031*
Reticulum 11618 45629 62411
Retinene 21005
Retirement 57716 58239 66962 75900* 94254*
Retrorsine 42942
Reunión Latinoamericana de Fitotecnia 86365*

Item

Reverdatto V V 67210 15563* 23783*
Reverin 27965* 72827*
Review of Applied Mycology 41726 41922
Reviews
abomasum 27359
abortion of sheep 72888
abscission 77572
acaricide toxicity 63714*
acetic acid bacteria 47643
Actinomycetes 16555 72190
adhesives 36001
adrenal cortical hormones 90724*
African oilpalm 1206
alcoholic beverages 74625
alfalfa drying and processing 83149*
algae taxonomy 58762*
amino acids in animal nutrition 45932 3039*
amino acids in soils 52486
Anaplasma marginale 91093
anesthesia 36785 79808*
anthelmintics 3079
antibiotics 53842
antibiotics effects on animals 19425 81232*
antibiotics in milk 62936
antigens and antibodies 46279
antioxidants 22716 45932
aphid control 12371*
aphids and plant disease 55238
apiculture 37902 37840*
apple fungus disease control 86774*
apple storage diseases 75237*
aquatic insect ecology 37979
arachnids and disease 37557*
Archegoniatae 77640
Archimycetes 59078*
arthropods 37501 37955 37988
artificial insemination 62262 62266 71620*
artificial insemination of asses 63127
artificial insemination of buffaloes 62536
artificial insemination of cattle 62594
artificial insemination of dogs 62998
artificial insemination of goats 63390
artificial insemination of horses 63127 63128
artificial insemination of laboratory animals 63185
artificial insemination of poultry 63207
artificial insemination of sheep 63396
artificial insemination of swine 63568
Ascaris lumbricoides suum 46279
ascorbic acid in plants 77786
assay in entomology 37469
atropine 36785
baby pig nutrition 45862
bacteria resistance to antibiotics 27306
baits and traps for insects 28787*
barley genetics 68454*
barley malting 21966 65327
Basidiomycetes 58984*
beef cattle meat production 90915*
beet mechanization 82931* 83066*

*Text of this reference is not in English.

Item

Reviews--Cont
Betula 71199*
biology 58384
blackhead 3904
bloat 72112* 91037*
blood groups 3079 36697*
botany 58499*
botany techniques 58494*
Bracon 82654
bread nutritive value 48548*
brewing 21966 30435 65327
Brucella 19442
Brucellaceae 19442
brucellosis of cattle 90981
brucellosis of dogs 27969
brucellosis of man 62443*
brucellosis of sheep 12138
brucellosis of swine 28650*
Bryophyta 15826*
bull antomy and physiology 54317
bull diseases 27703
butyric acid bacteria 39374*
canine distemper virus 20038*
carbachol 19481*
carbamate insecticides 4404
carbohydrates in plants 25170
carbohydrates in soils 70277 89500
carbon in plants 77717
Carpocapsa pomonella 37701*
castration of cattle 54317
cattle breeding 36574*
cattle embryos 27697*
cattle feeding equipment 74013*
cattle housing 13347*
cattle lactation 11577
cattle longevity 36574*
cattle virus diseases 91028
cellulose structure 11111
Cercospora beticola 50276*
cheese flavor 13802
cheese manufacture 39374*
cheese vitamins 49728*
chemistry 23760
chemotherapy 20384 62881*
chick nutrition 45932
Chironomidae 64424*
chlorosis in plants 8899
chromatography 40052*
chromosomes of plants 87369 87423
citrus oil 48333
coccidiosis of poultry 11935
Coccinellidae 38099
collagen composition 57249
conjunctivitis in man 37005*
corn spraying and dusting equipment 74177*
Corynebacterium renale 27421*
counterirritation 45835
crown gall 77488
Culicoides control 37555
cultivators 74026*
cushion gall of cacao 8346
Cyanophyceae 51077*
cytology 12733 86127 94844
dairy cattle feeding costs 54174
dairy cattle milk production 11492 36596* 91151*
dairy industry in Great Britain 83720
dairy industry sanitation 30674
dairy industry waste 74766*
dairy products 21992 30583

Item

Reviews--Cont
dairy products analysis 6196
dairy products bacteria 47942
dairy products nutritive value 86080
Dendroctonus frontalis 12631
deserts 60229
Deuteromycetes 59017*
digestive system 45281
Diprionidae 64063
dogs immunization 91183*
downy mildew of tobacco 86908
Drosophila melanogaster 82440
drought effects on plants 60087 87807
drug plants 9939 35085* 60341*
dry farming 61476
drying oils 22684
earthworms 10060
economic poisons effects on soil 18059
economy of Great Britain 85162
economy of Near East 48989*
egg shells 7171
elastomers 22783
electrical forces in plants 77512
endocrine glands of insects 46772
entomology 37431
environment effects on trees 71610
estrogens 79912*
ethylene in plants 77491
ethylene oxide 21876
Eucalyptus 53663 58689*
extension work in India 15184*
fats and oils analysis 22681 40052*
fats and oils as feed 53763*
fats and oils oxidation 22716
fats and oils processing 22667 22725
fatty acid analysis 48812*
feed analysis 6437
feed digestibility 90563*
feed formulas 90514*
feed processing 71660*
feeders 74339*
fertilizers 18605 78585 78715*
fiber properties 75014
field crop culture 61476
field crop hardiness 87807
field crop pest control 73219*
fish processing 22935
flavonoids in food 83337*
fleas and disease 81605
floors of stalls 92977*
flora of USSR 41324*
flour 48548* 93682*
fluorescence analysis 42612*
fluorine toxicity 84219
food 13439
food bacteria 56357
food contamination 65170*
food flavor and odor 30249
food packing 83501*
food processing 5998 13539 13842 21876
forage plants 6422 77715
forest burning 2681
forest ownership 44624
forest regeneration 71199*
forest sites 35738*
forest soils 18875 90153*
forest weed control 2680
forestry of Estonia 10515*
forestry research statistical methods 70937*

Item

Reviews--Cont
forests mixed 8956*
fruit biochemistry 14056
fruit culture 35293*
fruit diseases 50198*
fruit fertilizers 35293*
fruit physiology 24831*
fruit planting 34591*
fruit storage 22421
fungi in soils 61207*
fungi taxonomy 58788*
fungicide tests 33234*
gall insects 21029*
geese breeding 91355*
gelatin analysis 57249
geography of France 94292*
gibberellins 60127* 68781*
Glossina and disease 55367 73182
grain nutritive value 23705
grapes equipment 13219* 38743*
grapes weed control 89390*
Grapholitha molesta 63988
grass seeds 88559*
grazing 43306 60553
growth substances 60127* 71200*
guanidines 77675
gums and resins 75802*
ham curing 14380
hardwood breeding 61922
hay processing equipment 64915*
hay quality 3041
hay transportation 85289*
hay wafers 71660*
Hemophilus 19442
heat effects on milk 65414
herbicides effects on plants 60126*
herbicides toxicity 63714*
Heterodera 59221
Hevea culture 17851
history of Czechoslovakia 67253*
history of Poland 76766*
history of Switzerland 94925*
horticulture 17277
human disease transmission 55252 55255 55259 55324 55355 55367
human nutrition 7953 76602*
hydraulics 83006*
Hypoderma 63868
infarcts 36327*
insect chemoreception 37972*
insect control 37445 37501 55302
insect cytology 12733 12750 94844 42237*
insect diapause 37971
insect dissemination 37991
insect ecology 38003 46773 38004*
insect evolution 37996
insect genetics 37976 94831 37980*
insect habits and behavior 37983 38004*
insect insecticide resistance 37498
insect metabolism 37971
insect migration 37991
insect physiology 37968
insect populations 46773 37980*
insect research statistical methods 38003
insect respiration 37952
insect taxonomy 55629
insect vision 37949*
insecticides effects on animals 3079
insecticides for mosquito control 55366
insecticides granulated 55225

Item

Reviews--Cont
insecticides toxicity 4344 20687 63714*
insects and disease 4589 55302 37557*
intestinal worms 20384
iodine in plants 69101*
ions in plants 77512 87369
irrigation 61522
Johne's disease 45327 54393
kinin 60127*
Lactobacillus 47942 56357
lactose 6196
lamb poisoning 28522
laminitis 91321*
latex 22794
leafhoppers and plant disease 55168
leishmaniasis 73183
Lepidoptera 82789
Leptoconops control 37555
leukemia of cattle 62950*
light effects on plants 77632 77715 25094*
lignin chemistry 45137
lipides in dairy products 30583
lipides in plants 77756
lipides in ruminant nutrition 19388
Listeria monocytogenes 27375
liver fluke 27347*
livestock anatomy and physiology 3079
livestock breeding 90504*
livestock diseases 3079 19442
livestock diseases control 11263
livestock diseases in Great Britain 79817
livestock diseases transmission 53970 55252 55259 55324 55367
livestock diseases treatment 19473
livestock embryo mortality 27351
livestock fertility 3079 45176 90497
livestock genetics 90497
livestock habits and behavior 38004*
livestock in Poland 62525*
livestock nutrition 19382 19425 79661 53763*
livestock parasites 3079 71871
livestock pests 3079
livestock poisoning 3079 71803*
livestock products bacteria 71831*
livestock reflexes 79808*
livestock virus diseases 16122 53812 53854 53966 45364*
livestock vision 37949*
Loranthaceae 2680
lumber 79509
lumber preservation 44988 53562 62104*
lumber seasoning 27043
luminescence of plants 60177*
lung diseases of swine 4279*
magnets 62925*
malaria transmission 46419 55366
manure handling 13288* 64922* 92977*
mastitis of cattle 36572 62936 72190
Matsucoccus 73736
meat chemistry 14343

*Text of this reference is not in English.

Item

Reviews--Cont
meat quality 14381*
mechanization in Great Britain 83003
microbiology 23710
microscopy in animal research 36214*
milk analysis and composition 36596* 62780*
milk and disease 62780*
milk chemistry 47937
milk flavor and odor 39330
milk nutritive value 86080
milk properties 30583 65414
milk proteins 91151*
milk solids-not-fat 11492
minerals in animal nutrition 90514*
minerals in plants 77708 59806*
minor elements in animal nutrition 90514*
mites and disease 55355 81605
mites and plant disease 55230
morphine 36785
mosquito control 28888
mosquito ecology 28888
mosquitoes and disease 37569 46419 55324 55366 81586
Musca autumnalis 5147
Mycobacterium 45264* 71831*
Mycobacterium avium 62814*
nervous system of insects 37990
nervous system of livestock 36214*
Newcastle disease 37005* 54788*
nickel 65170*
nitrates toxicity 28522
nitrofuran compounds 11263 19473
nitrogen fixation 26113*
Nitrosomonas 26129*
Nocardia 72190
nucleic acids 50483 69264* 87403*
nucleoproteins 77732
oats 28522 36181*
oilseeds 22725
ommochromes 82112
onion harvesting 78158*
ornithosis 20227*
Ostrinia nubilalis 63970
paleobotany 58497* 58525*
pancreas diseases 11334*
paperboard gluing 36033
papilloma of cattle 11549*
parthenogenesis in insects 37996
particle board manufacture 53691*
Pasteurella 19442
pastures and meadows 43306 77715
peasants 67253*
penicillin 3125*
pentobarbital 36785
Peronospora tabacina 86908 67936*
petroleum effects on soils 10025
Phlebotomus and disease 55255 73183
phosphorylation 68644*
photography of forests 61787*
photoperiodism 38005
photosynthesis 51507 77717 77739 68644*
Phycomycetes 59078*
phytopathology 41654 58891*
Picea 18845

Item

Reviews--Cont
Picea omorika 61818
pigeonpea culture 43235
pigments of insects 82112
Pinus pests 12631 73736
Pinus pinaster 35741 53290
Pinus strobus 53319
plague 81605
plant abnormalities 8715*
plant aging 77690
plant anatomy 59643*
plant bacterial diseases 59106*
plant biochemistry 87423 69264*
plant cells 824* 59427* 59331* 59794*
plant cytology 8800 12733 94844 42237* 59731* 69264*
plant disease forecasting 86670*
plant diseases 77630 58856*
plant dormancy 87774*
plant ecology 59849 8687* 59324*
plant excretions 8956* 59813*
plant fungus diseases 58984* 59017* 59078*
plant galls 21029*
plant genetics 94831 42439* 59698* 59731* 77444*
plant geography 58582* 67391*
plant hormones 87981*
plant hybrids 33761
plant metabolism 59806* 60154*
plant morphology 59427* 59643*
plant nematodes 16188 50536 59221
plant nodules 77668
plant nuclei 69264*
plant pest control 28787*
plant physiology 42822* 59913* 60002* 60016*
plant protection 58835*
plant respiration 77516 77630
plant virus diseases 16122 33397 45364* 59143* 59154* 59199*
plant virus diseases transmission 50536 55168 55223 55230 55238
plant water relations 59849 60229 77706 24831* 60274* 77479*
plastids 77624 77444*
plow operation 74041*
pneumonia in mice 28147
Podzol soils 10123
polysaccharides in plants 77811
pork 7009
potassium nitrate 28522
potato chips 14140
potato cytology 87466
potato genetics 87466
potato storage 84369*
potato virus disease control 87078*
poultry deficiency diseases 54802*
poultry hybridization 36959*
poultry mechanization 38623*
procaine 27366*
propionic acid 39374*
protein chemistry 13439 56338
protein fibers 22279
protoplasm 59794* 77479*
Pteridophyta 58736*
pterins 82112

Item

Reviews--Cont
pulp and paper 27123
pyelonephritis 27421*
quaternary ammonium compounds 30674
rabbit diseases 63382
radiation effects on animals 3079
radiation effects on insects 37968 46320*
radiation effects on plants 60177*
radioactive contamination of plants and soils 87710*
radioactive tracers in animal research 45283
radioactive tracers in entomological research 37472* 46320*
range management in desert areas 60553
reclamation 89888*
reforestation in Yugoslavia 2719*
reservoirs 64424*
rice genetics 87459
rice milling 57181
rinderpest virus 20038*
rodenticides toxicity 71803*
roots 78451
rubber 22783
rubber chemistry 22788
rubber foam 22782
rubber history 22779
rubber processing 22784 22787
rubber properties 22781
rubber statistics 22779
rubber synthetic 22785
ruminant nutrition 90519*
salmonellosis 62423* 73027*
salts in milk 47937
sauerkraut 14178
schistosomiasis 27347*
Scolytidae 38141
seed germination 77592
seed treatment 33053
seeds certified 33053
selenium in poultry nutrition 45932
semen 62262
sense organs 12750 37953* 37972*
sewage fertilizers 61667*
sex behavior of livestock 63176*
sex determination of insects 37976
sex of plants 60016*
sheep virus diseases 20375*
silage corn 38633*
silage preparation 62312*
silo construction 74339*
silviculture 53264*
snail control 27347*
soil biology 18062 78451 2119*
soil chemistry 17954
soil fertility 2282
soil genesis 18134*
soil insects 64250
soil management 61475
soil microorganisms 18059 35185
soil organic matter 52486 89500
soil oxidation-reduction potential 78326
sound (veterinary equipment) 62925*
soy sauce 13675
Spermatophyta 58678*
stain technology in animal research 62936
starches analysis 74424
sterility of cattle 62609* 71956* 80075*
stilbestrol 90915*
stillbirth of sheep 72888

Item

Reviews--Cont
stomach worms 20384
storage pest control 4721 37771*
straw transportation 85289*
stubble mulch farming 10326
Stylosanthes gracilis 88527*
subterranean clover 9494
sugarcane germination 1204 25097
sulfates in plants 77834
sulfur in poultry nutrition 45932
surgery 3079
sweetpotato breeding 78163
swine breeding 81152*
swine carcasses 14380
swine feed relationships 91819*
swine meat production 7009
Tabanidae and disease 55252
tanning 22629
taxonomy 55629
tea chemistry and processing 56561
temperature effects on animals 37972*
temperature effects on plants 77479*
Thysanoptera and plant disease 55223
ticks and disease 55259 55355
tillage 61475 35437* 70699*
tissue culture 71710*
tobacco fungus diseases 86908 67936*
tocopherol 45932 67131 79920*
traumatic reticulitis 62925*
tree growth 53705*
tree physiology 51246
tree seeds 26922
Triatoma 73182
Trichinella spiralis 71797
tropism in plants 59913*
trypanosomiasis 73182
tuberculosis of cattle 62814* 62881*
tuberculosis of poultry 37052*
tumors of plants 77488
ultraviolet rays effects on plants 60177*
urea in plants 77675
ureides 77675
vegetable storage 22421
verminosis 4589 53970
veterinary medicine 3079
veterinary medicine drugs 3079 11935 19607 27335*
veterinary medicine equipment 45261*
veterinary medicine of Poland 62495*
veterinary medicine public health aspects 3079
veterinary medicine techniques 45283
Vibrio fetus 28466
vibriosis 27703
virus pneumonia of swine 4279*
viruses 16122 91028 20038* 45364*
vitamin A in poultry nutrition 54802*
vitamin B in animal nutrition 71710*
water pollution 61667*
weed control 70100*
wheat harvesting equipment 92836*
wheat nutritive value 48548*

*Text of this reference is not in English.

Item

Reviews--Cont
whey 74766*
wildlife diseases 55259
wine 74625 39117* 39178*
wireworms control 73219*
wood anatomy 19335 90480*
wood chemical products 45094 53663
wood decay 62104*
wood fibers 19335
wood gluing 36001
wood quality 53705*
wood structure 62224 13998* 13999*
xerophytes 60087
zein 84488*
zoology 37963*
Reviews in Food Technology 65236
rH SEE SUBHEAD oxidation reduction potential UNDER specific subjects
Rhabdocline pseudotsugae 33337 86941
Rhabdomastix 64402
Rhabdomyoma 19444*
Rhabdophaga marginemtorquens 73328
Rhabdospora 245* 58780*
Rhabdoweisia 24046
Rhacochelifer quadrimaculatus 82202*
Rhadinoceraea bensoni 5277
Rhadinoceraea reitteri 38367
Rhadinopsylla 13084*
Rhagidia organ 38026*
Rhagionidae 5071 12866 29453 29454 38193 82430
Rhagium inquisitor 73575
Rhagoletis 21239
Rhagoletis cerasi 46563* 46571* 46588* 81742* 92194*
Rhagoletis completa 73267
Rhagoletis mendax SEE Rhagoletis pomonella
Rhagoletis pomonella 92195
control 12582 12607 81751 81784
Indiana 20827
Maine 46533
Minnesota 20802
insecticide resistance 12341
Wisconsin 20837
Rhagoletis suavis 20824
Rhagor D 15560*
Rhagovelia 47009
Rhammatocerus pictus 92642*
Rhamnose 42935 43044
Rhamnus alaternus 77780*
Rhamnus alnifolia 47000*
Rhamnus cathartica 28746*
Rhamnus frangula 12937* 12938* 51464* 55983*
Rhamphomyia anomalipennis 12877 73696
Rhamphomyia scutellaris 21171
Rhaphidophoridae SEE Gryllacrididae
Rhaphidophorinae 73864
Rhaphis gryllus 26232*
Rhegmoclema 73665
Rhein 60325
Rheology 36144 48813 62241 75680 83613 6286* 26045* 39824* 39876* 71495* 74617* 83643* 83644*
Rheum officinale 88152*
Rhexidius 55755
Rhexoza 73665
Rhinanthus major 24667
Rhinephyllum broomii 60810*
Rhingia rostrata 55775
Rhinitis 4241 91200 55078* 63008* 91853*

Item

Rhinitis--Cont
SEE ALSO Atrophic rhinitis; Inclusion body rhinitis
Rhinocephalum n g 271*
Rhinocladiella 8299*
Rhinocladium corticolum 24331
Rhinocladius 12874
Rhinocola 82507*
Rhinocricidae 82194*
Rhinocricus 82194*
Rhinocypha 5624
Rhinonyssidae 12768 92040
Rhinopneumonitis 80629 91308 3773* 20076*
immunization 20073
virus 20073 63147 63154 80242 54652* 80654*
Rhinoscopy 63661*
Rhinospineus n g 55727
Rhinotermitidae 38591
Rhinotracheitis 3523 3556 36699 72169 91057 45677*
Canada 27869
Europe 91115*
immunization 54294
prevention 36661
virus 36640 36655 54294 80242 80296 80406 80421
SEE ALSO Feline viral rhinotracheitis
Rhipicentor bicornis 63869
Rhipicentor nuttalli 63869
Rhipicephalus appendiculatus 4910 21079 82170
Rhipicephalus bursa 20612* 20664*
Rhipicephalus evertsi 63810
Rhipicephalus sanguineus 4904 46405 37516*
Rhipicephalus schulzei 64319*
Rhipicephalus secundus 28855
Rhipidarctia 92596*
Rhizidiomyces 33929
Rhizina undulata 67818*
Rhizobium 2115 2117 10080 16641 18060 18068 18086 18087 18100 18109 24707 26284 35201 42665 44057 52586 52627 61226 70348 70389 89558 42499* 44061* 52606* 61208* 70380* 78455* 78462*
Rhizobium japonicum 42059 87713*
Rhizobium meliloti 2117 18079 51142
Rhizobium trifoli 62137 61245 78460
Rhizocarpon geographicum 15871* 77025*
Rhizoclonium 32916 86715*
Rhizoctonia 8506
cacao 77172*
Cerastium tomentosum 41848
citrus 86838
cotton 33312
Euphorbia cyparissias 41848
jute 16043*
kenaf 16043*
potatoes 41773 16046* 24277* 33220* 33236* 86807*
Sagina subulata 41848
Rhizoctonia bataticola 32999 77163 41950* 50327* 86771*
Rhizoctonia solani 24226 24240 24246 24282 52178 58956 58990 59063 61199 67787 68054 77083

Item

Rhizoctonia solani--Cont
anatomy and physiology 60003*
artichokes 24286*
biochemistry 42952
cotton 16016 41910 8530* 41736*
Dianthus caryophyllus 86882*
peanuts 8413
Poa pratensis 24280
potatoes 24345* 86748*
soybeans 50429
Stenotaphrum secundatum 67852
Rhizoecus 12931 21275
Rhizoecus falcifer 12945
Rhizoglyphus echinopus 81829*
Rhizopertha SEE Rhyzopertha
Rhizophagites 52583
Rhizophagus SEE Rhizophagites
Rhizophlyctis rosea 42950
Rhizophora 35146 71536*
Rhizophora mangle 33494
Rhizophoraceae 86429*
Rhizopogon 24077
Rhizopus 16037 16038 31057 57060 58784
Rhizopus arrhizus 40191
Rhizopus stolonifer 457
Rhizotroginae 55740*
Rhizotrogus 64334*
Rhodacaridae 21073 82191 82192
Rhodamine C 58969*
Rhodanates SEE Thiocyanates
Rhodane SEE Thiocyanogen
Rhoden Lehrbetrieb für Waldarbeit 89971* 89976*
Rhodesgrass SEE Chloris gayana
Rhodesgrass scale SEE Antonina graminis
Rhodesia and Nyasaland (Federation) Agricultural Research Council 85872
Rhodesia and Nyasaland (Federation) Cold Storage Commission 65237
Rhodesia and Nyasaland (Federation) Grain Marketing Board 65920
Rhodesia and Nyasaland (Federation) Ministry of Agriculture 8001
Rhodesian Tobacco Association 75781
Rhodnius 55319*
Rhodnius prolixus 5266 29530 29531 46356 73750 73754
Rhodocantha n g 29702
Rhodocybe 41542
Rhodocybe truncata 67588*
Rhodocyphella n g 15859
Rhododendron
biochemistry 9283 69193
breeding 9723
California 32748
culture 9768 17465 60765 9696* 9774*
Australia 43535
Eastern States 9793
Great Britain 17493
flowering date 9793
fungus diseases 491*
Great Britain 17509
hardiness 9725
injuries 8382
Malay Archipelago 32854
Massachusetts 67525
Pacific Coast States 9699
pests 82315*
propagation 9689 9724 69805 1765* 1767* 9774*
soils 15732 9696* 15771*

Item

Rhododendron--Cont
Texas 32850
toxicity 81985*
varieties 1780 9725 17438 17444 17465 17531 69813 89074 89103
Rhododendron adamsi 75575* 75803*
Rhododendron amagianum 50076
Rhododendron and Camellia Year Book 17509
Rhododendron barbatum 34319
Rhododendron chrysanthemum 75801* 75803*
Rhododrendron coryi 32850
Rhododendron crinigerum 8217
Rhododendron dauricum 87230*
Rhododendron decipiens 60350
Rhododendron indicum 59840
Rhododendron kotschyi 68308*
Rhododendron luteum 86511*
Rhododendron maximum 34227
Rhododendron nudiflorium 86504
Rhododendron roseum 86504
Rhododendron sinogrande 8217
Rhododictyon n g 50117
Rhododictyon bermudensis 50117
Rhodoglossum pulchrum 16929
Rhodohypoxis 156
Rhodoleptus n g 82294
Rhodomantis pulchella 56012
Rhodometra sacraria 5441 13008 21367 38463 55952
Rhodomycin 8936*
Rhodomyrtus tomentosa 34113
Rhodophaea 47130*
Rhodophyceae 9280* 32915* 32917*
Rhodophyta 16300
Rhodopina 46817*
Rhodopis 92347*
Rhodopseudomonas capsulatus 52616 52617 52618
Rhodopsis 82225*
Rhodora 49967
Rhodospirillum rubrum 42700
Rhodotorula 50118 83955
Rhodotorula glutinis 3876*
Rhodotorula mucilaginosa 16925*
Rhodotypos scandens 86457
Rhoeo discolor 534 551 59607
Rhoicininae 55680*
Rhoideae 86423
Rhombognathus 21074
Rhopalandrothrips 56013 13101*
Rhopalia 46915*
Rhopalizida risbeci 92382*
Rhopalocera SEE Butterflies
Rhopalosiphoninus latysiphon 29123*
Rhopalosiphum 82563
Rhopalosiphum fitchii 12471 55746*
Rhopalosiphum maidis 12505 20794 46472 55435 82542 81700*
Rhopalosiphum oxyacanthae 47050*
Rhopalosiphum padi 55408 21311* 55451*
Rhopalosiphum prunifoliae SEE Rhopalosiphum fitchii
Rhopalosiphum pseudobrassicae 12494
Rhopaloskelus 38041
Rhopalus parumpunctatus 73766
Rhopobota naevana ilicifoliana 64068
Rhopographus 64554
Rhothane SEE TDE

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Item

Rhubarb
anatomy and physiology 16622 77609 59980*
bacterial diseases 77198
culture 9809 26271
forcing 70004 77198 77609 87785
fungus diseases 453
soils 26271*
taxonomy 34904*
virus diseases 87070*
Rhus 17803
Rhus chinensis 77791*
Rhus cotinus SEE Cotinus coggygria
Rhus diversiloba SEE Toxicodendron diversilobum
Rhus glabra 1057
Rhus hirta SEE Rhus typhina
Rhus javanica SEE Rhus chinensis
Rhus radicans SEE Toxicodendron radicans
Rhus succedanea SEE Toxicodendron succedaneum
Rhus typhina 1057 68538
Rhus typhina dissecta 53391*
Rhus vernicifera 25231 34309 88194
Rhyacionia buoliana 20898 82714
anatomy and physiology 64624 64625 73364
Austria 20912*
control 12626 12650 81893 20905*
New Jersey 73381
Pacific Northwest 73366
Washington 73364
ecology 38464 92622
habits and behavior 38500 64623 64624
larvae 5425 38464
Michigan 73394
parasites 12950 64531 92322 13022*
Poland 20890*
research
statistical methods 64623
Spain 82657*
Rhyacionia duplana simulata 82734*
Rhyacionia frustrana 37806 46638
Rhyacionia pinicolana 38425*
Rhyacionia pseudostrobana 92569* 92617*
Rhyacionia subtropica 29700
Rhyacophila bacurianica 13085*
Rhyacophila forcipulata 13085*
Rhyacophilidae 13078
Rhymosia 38243*
Rhynchodontomerus n g 82624*
Rhynchophora 82285*
Rhynchophoridae 82310*
Rhynchophorus ferrugineus 20825
Rhynchophorus palmarum 37719
Rhynchospora 693*
Rhynchosporium oryzae 41880
Rhynchosporium secalis 86839*
Rhynchostylis gigantea 9757
Rhynchota 82532
Rhynchotechum 67422
Rhynchothura 64717
Rhyncosia 50099
Rhyncosinapsis cheiranthos 24014
Rhyncothura 38562
Rhynonirmus 38564
Rhyparochrominae 82556
Rhyparochromus 21307 64528*
Rhyparochromus (Graphoraglius) n sgen 64528*
Rhyssa lineolata 82656
Rhyssemus 21085*
Rhyssomatus 73616

Item

Rhytiferonia n g 82247
Rhyzopertha dominica 29400 81836 92205 92213*
Riacon 11672*
Riadhia n g 73858
Ribas E 73159*
Ribautiana tenerrima 73309
Ribes SEE Currants; Gooseberries
Riboflavin
in eggs 63309*
in grain 67135 84409
in human nutrition 32461
in milk 65501* 83870*
in plants 9293 42632 50850 51500 69221 88207
in poultry meat 75657
in poultry nutrition 3853 80768 80770 72513*
in poultry physiology 36961
in rye 7961*
in wheat 22519 7961*
in yeasts 13665*
Ribonuclease
in animal physiology 36309 36601*
in insects 4842*
in milk 83743
in plants 9231 24628 33409 33999 34289 42959 50479 66129 87067 8726* 60360*
Ribonucleic acid SEE Nucleic acids
Ribonucleoproteins SEE Nucleoproteins
Ribulose phosphates 56975
Ricasoli B 15537*
Riccia 33894 58744
Riccia atromarginata 32893*
Riccia discolor 69263
Riccia lamellosa 206*
Riccia media 24036
Riccia papillosa 206*
Rice 6760 6786
abnormalities 24672*
accounting 23322
acreage and area 14312 22517 39799 39813 75850
analysis and composition 65936 48571*
anatomy and physiology 1186 1187 1281 1302 8869 8924 9071 9118 9149 16745 16831 24563 24771 24901 25040 25067 33879 33883 33984 34085 34116 34172 42458 42634 42639 42685 42690 42729 42762 42797 42833 51008 51066 51108—51111 51138 51139 51140 51145 51190 51216 51217 51230 51231 51252 51254 51346 51368 51372 51432 55458 59768 59786 59874 59936 59958 59968 60049 60051 60052 60145 60181 60206 60259 68603 68728 68825 68889 68905 69085 69144 69151 73253 81719 89488 89787 846* 1113* 1266* 1278* 8942* 8960* 9068* 9078* 9147* 24617* 24870* 24884* 24924* 24937* 24938* 24939* 25131* 25132* 25137* 33928* 34037* 34086* 34087* 42273* 42520* 42659* 42680* 42800* 59653*

Item

Rice--Cont
anatomy and physiology--cont 59871* 59929* 60169* 60239* 68526* 69147* 77497* 77535* 77587* 77641* 77646* 77685* 77724* 77731* 77735* 81662* 81719* 87288* 87557* 87686*
bibliographies 1011
bacterial diseases 59110 86972 86987 33357* 50385* 59107* 77213*
biochemistry 51563 25208* 25242* 34291* 60310*
bleaching 6828*
breeding 17012 77857 77900 43089* 59746*
Hungary 69380*
India 1498 9397 25350 34439 69409 77863 77892
Italy 1496*
Japan 77876 77888 77437 25323* 25335* 34451* 60441* 68459*
Malaya 25384
Philippines 77858
Portugal 51639*
research
statistical methods 9351
Sierra Leone 69333
Taiwan 34384*
care and handling 31191
chemistry 22454*
cleaning 25137*
conferences and congresses 69428 84505 60404*
consumer preferences 14310
consumption 14310 15363 23194 93708
contamination 42639 81719
cooperatives 83407*
costs and returns
Brazil 32031*
India 15104 49316 85665
Japan 23348
Louisiana 39799 57987
culture 17063 25367 61552 34449* 34479* 43155*
Africa 1467
Arkansas 353 368 1520
Asia 1467 77872
Australia 17056 17076
Brazil 43083* 43114* 89366*
British Guiana 51657 51679
California 29497
Cambodia 44271*
Cameroun 34383* 88330*
China 77868 88430
Colombia 43094*
France 9395* 88316* 88324*
Ghana 9385
Hungary 25948* 43122* 88448* 89267*
India 9381 9396 17089 18365 21595 25311 25348 25349 35415 43137 51689 60416 69331 77890 77892
Indonesia 34422*
Italy 80251*
Japan 1450 13122 23271 60425 69347 1485* 26372* 34403* 34425* 34447* 68526* 69435* 88423*

Item

Rice--Cont
culture--cont
Louisiana 1470 60423
Malagasy Republic 34369* 34393* 35434*
Mexico 77883* 77884*
Morocco 60453*
Mozambique 60436*
Nicaragua 77850*
Spain 25385* 69412*
Sudan 17040
Surinam 25382*
Thailand 60468 25328*
Turkey 18514
USSR 18446* 60470* 70556* 88368* 88374* 88436* 88455* 88456* 89812* 92760*
cytology 736 921 8840 24594 42448 8824* 24562* 33785* 42659*
damage
reviews 57181
defects 6828* 39852*
defoliation 43138*
disease resistance 433 498 41931 42366 58997 59116 67850 68441 77871 41852* 43089* 43090* 59001* 77138* 77188*
diseases 58816* 58873*
drying 6821 31191 57136
British Guiana 83270
equipment 31098 39798 57135
Tropics 5742
USSR 43138*
dwarf 4670*
ecology 68825 69085 704* 24939* 42172*
equipment 13122 83063 92760* 92775*
fertilizers 5738 8869 18274 52763 68428 68889 78696 44245* 60169* 77685*
Arkansas 24901
bibliographies 1006
British Guiana 26317
California 52802
Cambodia 52789 78620*
Ceylon 44163 61340
France 61406* 61428* 70554*
Hungary 89787 70621*
India 1498 2292 2294 18282 18324 26299 43129 70646 85665
Italy 26223* 26231* 70618*
Japan 51108 59768 61410 70563 21393* 78666*
Korea 78680*
Pakistan 44137 61378 78626
Philippines 70507 52719 52751
Portugal 44231*
Southern States 26345
Taiwan 70576 35396*
USSR 70556*
Vietnam 44243*
flowering date 47010
for processing 17012
forage plant 3403
fortified 32484 67135
France 60405*
fungus diseases 1044 9255 59042 59074 67833 67850 77151 86864 86969 41902* 41907* 43089* 50371* 59001* 77184*

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Item

Rice--Cont
fungus diseases--cont
Brazil 67791*
British Guiana 50387
control 33246 41835
441* 442* 86768*
86810*
France 58920* 58929*
58930*
Guatemala 41880
Hungary 33325* 50385*
India 379
Japan 41853 58997
500* 77124* 86727*
86914*
Korea 77138*
Pakistan 41931
Taiwan 42366 33168*
33228*
Tropics 68441
genetics 736 888
927 8812 8840
16484 24737 42366
42417 42436 42448
50884 59716 60425
68427 68428 68441
68442 69390 69409
77437 86864 87454
935* 8824* 8836*
33759* 33778* 33785*
68459*
reviews 87459
germination 16787 25008
42833 42870 51346
68603 77904 87827
16522* 24923* 25053*
25208* 60239*
grading and standardization 48499*
harvesting 5741 5742
29945 9343* 38688*
43138*
history 77892 94622
14232* 31193* 49495*
88453*
hulls 32463
hybrids 16484 24737
68428 69390 69408
87454 68459*
India 25370 34429
77899
Japan 25335* 60441*
Thailand 77887
in folklore 14232*
India 34388 34412
industry 22497 67034
75295 75305
Australia 39793
France 57177*
India 31175
Italy 6764* 48554*
57177* 65977*
Japan 39813
Morocco 60453*
Spain 65924*
injuries 61174 1278*
4629* 9147* 67699*
67750*
inoculation 61193*
irradiation 6827
irrigation 8924 52964
Arkansas 2467 24901
bibliographies 1006
Brazil 77646*
California 29497
52965
equipment 10417
89883 70829*
France 61527*
India 61490
Italy 18517* 61511*
Japan 26509* 26537*
61589*
Taiwan 89488
USSR 52960 10439*
18446* 44389* 67563*
United Arab Republic 33984
labor 7445* 47303*

Item

Rice--Cont
Louisiana 88377
marketing 6796 22539
Brazil 39811* 48529*
48567*
British Guiana 75270
Colombia 5961*
India 75354
Italy 6804* 57133*
57189* 65888*
Japan 31111
Philippines 75280
Spain 65924* 69412*
mechanization 29848
64768*
British Guiana 29852
China 82965
Italy 5684*
Japan 47303*
USSR 92708*
microorganisms 77724*
milling 22515 65936
reviews 57181
moisture 6823 22515
65859
molds 84491*
morphology 921 8709
8795 33732 68442
59386* 59418* 59505*
59598* 59621* 59633*
nematodes 16193* 50541*
nutritional deficiencies 34223*
nutritive value 8869
59968 86071 86092
15474*
packing 39791
pest control 4597 12444
81662*
Arkansas 353 37631
Australia 33062
biological 12500
28958*
India 12441 28993
29029 50151
Italy 81640*
Japan 73254 81663
81714*
Malagasy Republic 46433*
Taiwan 4632
Texas 55447
USSR 92095* 92109*
pest resistance 63940
81652 12490*
pests 73218 73828
81668*
Arkansas 368 46477
Australia 33062
California 46923
dissemination 47010
ecology 46923 12879*
forecasting 12492*
37650* 81667*
France 58904*
habits and behavior
21298* 21393* 46628*
47061* 55957*
India 12476 37665
Japan 81663 12480*
Mexico 28958*
outbreaks 81669
Pakistan 82659
surveys 20692*
USSR 73199*
physiological diseases
33325* 60146*
plantations 14982 76361
planting 9068*
9394* 67699* 77731*
Australia 34404
Brazil 25319*
equipment 5738
47371* 74055* 83067*
92780* 92782*
Australia 64854
India 56149
Japan 38685*
Hungary 25373* 47375*
India 9407 25311
43129 43136 70646

Item

Rice--Cont
planting--cont
Japan 26537*
Malagasy Republic 34393*
Philippines 9118
Taiwan 2458*
West Africa 60395*
planting date 85665
42797*
policies and programs
31093 31175 75280
65873* 65948*
pollination 25370 77857
Portugal 635*
prices 6796 30265
48568*
Brazil 39811*
India 22509 22527
Louisiana 39799
75363
Philippines 75280
processed 6823 31198*
processing 14274 31195*
39852* 46619* 57180*
93699* 93748*
equipment 47442*
statistics 84526*
production regions 49868*
products 31195* 65917*
propagation 43128 43140
69408
properties 14274
proteins 32473 59968
75343*
research
statistical methods 39788*
seeds 1210 42788
69421
certified 17093 25367
Italy 61511*
treatment 25008
37656 51112 77904
vernalization 16831
viability 1212
situation and outlook 31115
31139 31171 75295
14237* 48511*
Italy 65851*
Mozambique 48517*
Philippines 75364
84448
Thailand 25328*
soils 52498 52561 52616
52617 52618 56189
78389 24352* 52481*
78533*
Arkansas 52944
Australia 10061
British Guiana 61272
Cambodia 52789
Ceylon 35257 35381
52826
India 26301 52560
Japan 43991 51368
61064 61137 78326
24924* 24939* 26027*
26184* 35095* 35429*
42680* 50567* 59871*
61112* 70194* 78512*
86914*
Java 78524
Korea 78680*
Malagasy Republic 35434*
Malaya 26277
Philippines 52431
52751
Rumania 78860* 89732*
Taiwan 1652* 35300*
78280*
USSR 88374*
spoilage 75351*
spraying and dusting 73254
81714*
sprouted 84491*
statistics 22539 31176
48555 57177*
Brazil 22488*
India 31086 31150
84463

Item

Rice--Cont
statistics--cont
Pakistan 31205
Venezuela 6844*
75365*
storage 6796 31129
Malagasy Republic 65865*
pest control 20867
55525 46619* 46626*
46627* 81640*
pests 5742 73356*
structures 83270
temperature 14229*
84491*
ventilation 39798
substitutes 75271
surpluses 48555
tests 6823
threshing 92897*
trade 7889 7892
15363 15392 30265
41002 58298 58299
58300 67077 67078
76564 48568*
Brazil 48567*
Europe 67034
European Economic Community 76512*
Germany 41002
Great Britain 15392
67078
India 23621
Italy 7904*
Republic of South Africa 15363
transportation 31191
USSR 41518*
utilization 57180*
varieties 498 921
18274 22490 22515
77871 43089* 43090*
68459* 77685*
Arkansas 51653 88363
Asia 25339
Brazil 43083* 67791*
77646*
California 14274
Ceylon 61340
China 34440
France 60439* 60440*
69334*
India 17015 17080
25067 25350 34439
34440 42436 77899
Italy 25345*
Japan 34440 69347
25323* 25335* 34086*
34087* 34408* 34415*
34451* 42273* 60441*
Korea 77138* 77860*
Philippines 1457
9118 42690 88339
Portugal 9367* 34395*
Southern States 6821
Spain 17061*
Taiwan 1460 34440
34037*
Texas 17034 60398
Thailand 63940
USSR 69320* 88432*
West Indies 1455
virus diseases 59116
4670* 81668*
El Salvador 24397
Mexico 33393*
Nicaragua 67980*
Surinam 73207*
transmission 37636
73218
vitamins 14229*
waste 46113 75338*
91389*
weed control 25884
52184 78195 70014*
70022*
Colombia 78178*
Italy 89277* 89386*
Ecuador 52319*
France 70071*

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Item

Rice--Cont
weed control--cont
Hungary 60997* 89382*
Japan 70085*
Philippines 17766
Texas 52233
USSR 9884* 17722* 52290* 89346* 89347* 89393*
weight and measurement 9351 59716 39788* 48499*
West Africa 60454
yields 17063 34116 51112 52763 59936 70646 6828* 9394* 39852*
Brazil 25319*
Cambodia 52789
Ceylon 52826 61340
conferences and congresses 69428
France 70554*
Hungary 25131* 25373* 70621*
India 1498 9407 14312 26299 34429 42762 43137
Japan 61410 35429* 39820*
Pakistan 44137
Philippines 70507 88339
Texas 17034 60398
Thailand 25328*
USSR 69320*
SEE ALSO Wildrice; and UNDER Pools
Rice bran 37670
analysis and composition 14228
enzymes 39837
feed 36522 63228
processing 7084*
Rice bran oil 75497 48824* 84830*
Rice bran wax 48825*
Rice flour 22490 84511*
Rice oil 7084*
Rice starch 31129 84407 22529*
Rice stink bug SEE Oebalus pugnax
Rice straw 36522 44231*
Rice Technical Working Group 84505
Rice water weevil SEE Lissorhoptrus oryzophilus
Rice weevil SEE Sitophilus oryza
Richardia 50799
Richardson J L 23792
Richardson L 17473
Richter J P F 46308*
Ricinidae 21497*
Ricinine 16977 42974 88250
Ricinodendron 23989*
Ricinus 59589*
Ricinus communis SEE Castorbeans
Ricinus phoenicuri 21497*
Rickets 12116 54753 63341 55093* 91607*
Rickettsia 12788 28933
Rickettsia burneti SEE Coxiella burnetii
Rickettsia mooseri SEE Rickettsia typhi
Rickettsia orientalis 37513*
Rickettsia prowazekii 55325*
Rickettsia quintana 28931*
Rickettsia rickettsii 28902
Rickettsia typhi 55281 91998*
Rickettsial diseases
cattle 28852*
Congo 27770*
control 55298

Item

Rickettsial diseases--Cont
insects 55732*
Kenya 92015
ruminants 55325*
Rwanda-Burundi 27770*
sheep 63463*
transmission 46418*
Rid-Ezy SEE Ronnel
Ridestus 82602
Rieck medium 45596*
Riessia 271*
Riethia 12874
Rift Valley fever 63459 63537 79853
Rimifon SEE Isoniazid
Rimu SEE Dacrydium cupressinum
Rinderpest 80427 72216
buffaloes 62919
Congo 3442*
diagnosis 3562 62904
Ethiopia 3507 11649
France 27799*
immunization 11600 80443 91008 11583* 19991* 27889* 28027* 45554*
rabbits 12056 91618
Sudan 3513 11649
swine 63669 81255
Tanganyika 73670
Thailand 62805
Uganda 3524
vaccines 11600 11604 36707 62804 62919 63342 27889*
virus 12056 36672 36720 54278 54342 54396 54397 54458 62804 62868 62869 63342 72210 72310 81255 91618 19991* 28027* 45554*
reviews 20038*
Rindite 60113*
Ring pox
apricots 24448
Ring rot
potatoes 41940
Ring spot
cherries 33384 68019
cucumbers 8596
fruit 87049
plums 50488
raspberries 59144 87079
tobacco 543 558 16129 16143 42005 50484 59207
Tropaeolum 55520
Ring test 19845 27806* 36555* 36649* 54953*
Ringworm 79810
cats 3706 91221
cattle 11609* 54428* 62775*
control 54385*
Sweden 91024*
transmission 28856* 62860*
treatment 54388 11663* 27685* 72081* 72185*
Yugoslavia 19816*
chinchillas 28074 3726*
control 79947*
dogs 3646 27984 91221 20020*
foxes 20056*
horses 54428*
Ireland 11270
sheep 91725*
transmission 27357*
treatment 53959 72352 19478* 36216*
Rio de Janeiro Estacão Biologico Alto da Tijuca 40*
Rio de Janeiro Jardim Botanico 51255*

Item

Rio Piedras Puerto Rico Tropical Forest Research Center SEE U S Dept of Agriculture, Forest Serv, Tropical Forest Research Center Rio Piedras P R
Riodinidae 73846
Ripersia 21275
Risisu 82517
Risk 14690 40288 57937 56515* 66394* 85187*
Ritzler K 67209*
Rivanol SEE 6,9-Diamino-2-ethoxyacridine
Rivea corymbosa 42948 51567 60320*
Riventina bey-bienkoi baldzhuanica 13062*
River Valley Projects (India) 10457
Rivularia mehrai 41525
RNA SEE Nucleic acids
Ro 4-0403 SEE a-2-Chlor-9-(3-dimethylamino-propyliden)-thioxanthene
Roads 23427 40750 47715 49376 49399
and land use 94594
Australia 31273 47714
construction 53560
Austria 44929* 73919*
Germany 5675 5663* 5672* 5676* 5681* 38597* 38709*
East Germany 73918* 73929*
Great Britain 29822 38601
USSR 47263*
forest 26995
Austria 19037* 44593*
construction 2804 26998 35928 2802* 15123* 19127* 26814* 62026* 71363* 79443*
Austria 10905* 18899* 44929* 44949*
Canada 44927 79436
costs 35911 44942*
Czechoslovakia 62029*
equipment 10908*
Germany 19092* 19112* 19135* 38597* 38709* 44934* 53524* 71387*
Hungary 79430*
Rumania 35927* 35306* 71367* 90306* 90314*
Switzerland 44918* 71351* 71366* 71380*
USSR 44919* 44925* 79449*
Yugoslavia 19103* 71370* 71375* 79459*
costs 27001 26828* 44945* 71383* 79446* 90014*
Denmark 53508*
Finland 27025* 71386*
Germany 53532* 71364*
Great Britain 79442
Japan 62033*
maintenance and repair 27026 35912 35916* 53529* 62041*
Rumania 62052*
Sweden 2800 44931* 44932*
USSR 19106* 19113* 44936* 79449*
Western States 2799 35915 35924
Yugoslavia 71374*
France 66331*
Germany 5678* 15115*
Italy 64749* 74452* 76189*
Japan 32087*

Item

Roads--Cont
Kansas 40268
maintenance and repair 47272* 64746*
Minnesota 23409
Netherlands 47264*
Spain 22518*
USSR 13105*
Roadside planting 34818 50639 53028 53029 61601
Austria 53054*
California 25691 25700
conferences and congresses 52046
Ohio 43487 52055 52060
Pennsylvania 1916
SEE ALSO Trees, street and roadside
Roadside stands SEE Markets and marketing, roadside
Roaring 54633*
Robertus 55655 64306* 82135*
Robinia 10746* 10789* 70150* 71171* 71172* 89999* 90226*
Robinia pseudoacacia
anatomy and physiology 25122* 59924*
biochemistry 77836*
control 17803 42849
culture 53278* 61823*
Europe 52047*
fungus diseases 24255*
germination 26912*
growth 53430
measurement 53221* 61823* 79150* 90087*
pest control 20930
pests 5456
seeds 79150*
wood 45093 45162*
Robinson-Patman Act 6989 39686 48382 48384 56696
Roccella fuciformis 15868
Rock elm SEE Ulmus thomasi
Rock gardens 60803 69821 69878 9763*
Canada 69826
conferences and congresses 69836
plants 67371 69835 69879 69886 69897
USSR 43511*
White Mountains 43496
Rock oak SEE Quercus muehlenbergii
Rockefeller Foundation 23844 31855 49888 86425 31879* 43171*
Rockefeller Institute 53987
Rocks 47333* 83065* 89924*
Rocky Mountain spotted fever 28902
Rodenticides 23767 58364 76648 81838 92207
toxicity 11961
reviews 71803*
Rodents
and disease 36822 81527 81540 4556* 63849* 79834* 92036*
as pests 2694 62959
British Guiana 86718
Iowa 28763
USSR 15952* 61948* 61981* 61983* 90256* 91968*
control 15917 92207 30280*
biological 58868* 63992*
California 10777
France 41716*
Illinois 77061
India 61974 92214
Japan 79379*

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Item

Rodents--Cont
control--cont
Pacific area 86656
USSR 41698 12317* 33095* 41126* 58361* 61948* 63849* 67710* 67732* 81711* 86602* 86604* 90256*
France 50177*
pests 4488 4490 4583 5657 20661 28855 28894 38020 20678* 29806* 38153* 56035* 63829* 63841* 73891* 73892* 81552*
Bolivia 29297*
California 81589
Congo 20615*
Delaware 4574
Israel 38019
USSR 55313* 55340* 55362* 55708* 81611*
USSR 58885*
Roe and Kuether test 1366
Roemeria refracta 9920
Roentgen rays SEE X-rays
Roepke W K J 23785 32528
Rogas 73791*
Roger A 67217*
Roger J F 67319
Roger L 94904*
Rogor SEE Phosphamidon
Rohagit S7687 17919*
Rokupr West African Rice Research Station 60454
Roleta n g 46864
Roleta coracina 46864
Roll Ya V 86155*
Rolle M 76733 49813*
Romaleinae 29777
Römcke J C 41193*
Romsdal Gartnerlag 9565*
Romulea bulbocodium 80317
Rondania cucullata 92425*
Ronnel
application 81396
cattle pest control 12415 28913* 28928* 81517*
determination 74904
dog pest control 37520
flea control 81557
livestock parasite control 20094
livestock pest control 12434 73134 81521 28827*
physiological action 82874
residues 31280 74904
swine pest control 4508
tick control 4496
toxicity 55327*
Roofs 21697 83223 83225 74258*
metal 13379 56311 83224 83236 90348*
wood 53612 53630 90390 2889* 29151*
Root crops
acreage and area 39782* 57118*
anatomy and physiology 59793* 68539* 88072*
breeding 1588*
contamination 30941
culture 43300* 88072*
feed 45513* 55024* 59793* 81227*
fertilizers 10194* 52765* 78658*
harvesting 13231 5765* 47427* 64893*
statistics 57117*
yields 52765* 69281* 78658*
Root knot 613 24471
carrots 33456*
Caryopteris 77299
cowpeas 24490
lima beans 24490
muskmelons 77265
tobacco 1657

Item

Root rot
alfalfa 33144 50398
Antirrhinum 50319
avocados 41755 50432 58943
bananas 50524
beans 24282
Coniferae 41847
corn 16095
peanuts 52178
peas 16013 50535
Picea glauca 20929
Pinus 33233
red clover 8431
safflower 77090
soybeans 50398
sugarcane 50390
trees 414
wheat 430 52844
Root scab
carrots 8350
Roots 2168 32629 86356*
anatomy and physiology 8973 16651 16735 16774 16799 16849 16869 24853 32664 33906 33971 34130 42468 42478 42642 43904 50796 51035 51041 51086 51100 51105 51167 51168 51169 51182 51426 51427 60166 61225 70510 78499 87260 1055* 2475* 8883* 8976* 9008* 9032* 16666* 24861* 42640* 42695* 42722* 51044* 51129* 51278* 59491* 59921* 59985* 60028* 68806* 68900* 68939* 69049* 77544* 77673* 87533* 87731* 87741* 88061*
bibliographies 1009
reviews 78451
biochemistry 51086
51473 88198 16952* 88115*
excretions 1191* 24478* 33850* 68742* 69008* 70376*
bibliographies 1007
morphology 50669
50670 50673 50692
50711 50815 24676* 59644*
Rootstocks SEE UNDER Fruit; and names and classes of plants
Ropalophorus clavicornis 47124
Rope 30747 83581 39465*
Ropica 46816* 82225*
Roppa n g 38479*
Ropronia 29626
Rosa 60740 67297
anatomy and physiology 1143 51419 59756 88252 42840* 60787*
biochemistry 60340
77758 88252
breeding 69846*
Canada 1753
costs and returns 32069
culture 1810 25781 60754 60774 60803 60808 89050
Alaska 60828
Australia 9746 17542
California 1824
Canada 60828 89015*
Finland 43556*
Florida 60776
Kansas 17504
New England States 60777
North Carolina 17500

Item

Rosa--Cont
culture--cont
Northern Ireland 34852 43567
Norway 52040 9695* 17476* 34789*
Spain 60813*
USSR 25777* 52355* 89018*
diseases 58870 33135*
fertilizers 61381
forcing 9731
fungus diseases 24260 59065 67868
control 391 432 460 4715 50413*
Netherlands 394* 490* 492*
genetics 33784 50899
hardiness 34789*
history 69847*
hybrids 9731 33784 41422 60254 60788*
injuries 4715
marketing 48979
nematodes 16182
Netherlands 34707* 66288*
North America 41422
pest control 4715 29113 81823 73322*
pests 12939 47167 33135*
planting 43564 43565 89024 60798* 70162*
pollen 60254
propagation 25724 69877 70162*
pruning 34715 43566 60787*
rootstocks 1809 60846
seeds 9076 51366
soilless culture 89007*
soils 10143
spraying and dusting 4715
taxonomy 15740*
varieties 9771 25781 34844 43562 52061 60772 60841 60842 60850 69887 77758 88252 89096 1781* 9728* 69803*
Belgium 60742* 60838*
Europe 67055
Finland 43556*
Germany 34772*
East Germany 17486*
Great Britain 34788*
India 78122
Minnesota 69862
Norway 17476* 52040*
weed control 29113
Rosa blanda 78257*
Rosa bracteata 43722
Rosa canina 23697 61033* 94824*
Rosa chinensis 59745
Rosa cinnamomea 25983* 94824*
Rosa damascena 48983* 69056* 69158*
Rosa fortuneana 59214
Rosa hissarica 32791*
Rosa multiflora 17459 52038 88101*
Rosa pendulina 78257*
Rosa pimpinellifolia SEE Rosa spinosissima
Rosa rapa SEE Rosa virginiana plena
Rosa rugosa 94824*
Rosa spinosissima 17506 86480*
Rosa virginiana plena 67466
Rosaceae 1317 34745 86438*
Rose-Gottlieb test 39282*
Rose hips 23697 78257*
Rose leafhopper SEE Edwardsiana rosae

Item

Rose oil 7111 14492 22707 22711 52355*
Roselle 22178 39498 50901
Rosenheim Staatliches Holztechnikum 2990*
Roseocactus SEE Ariocarpus
Rosette
Chrysanthemum 16132
Rosin 79579
analysis and composition 90437
chemistry 62180*
industry 27156 53676 19267* 62178* 71547*
statistics 2957 71554
Rosin acids SEE Resin acids
Roskilde Denmark Slagterier-nes Forskningsinstitut 84588
Rossmeisl J 41192*
Rossosh Plodovo-Yagodnaya Opytnaya Stantsiya 69710*
Rostock Institut für Landwirtschaftliches Versuchs- und Untersuchungswesen 86256*
Rosy apple aphid SEE Anuraphis rosea
Rot
citrus 30992 31030
cranberries 41840
fruit 93659*
peaches 31057 41861 75186
squash 57086
watermelons 31055
Rotation of crops 370 430 1013 1194 26311 35120 35154 42476 43134 43764 52629 67923 69137 77900 78367 34479* 78277*
Argentina 43073*
Arkansas 8443
Australia 34428 43215 88268
Bulgaria 69312* 88807*
Canada 25528 52712 52832 78684
China 88280
Congo 34351*
Connecticut 61346
Costa Rica 86986
Czechoslovakia 43056* 44301* 88298*
Denmark 15949*
Florida 9823
France 25268* 34427* 50393* 51590*
Georgia 26194
Germany 1423* 16991* 18380* 24793* 34513* 44266* 51608* 69292* 69560* 88260* 88299*
East Germany 26332* 43067* 43290* 43291* 52107* 61039* 69283* 69297* 69377* 69410* 78722*
Great Britain 1504 24452 51738
Hungary 1437* 2249* 43095* 43122* 51623* 51660* 51699* 52709* 52738* 52778* 52820* 52885* 69556* 70494* 87507*
India 16986 18282 23339 78697 88264
Indiana 66686
Iowa 35398 44147 89738
Italy 88303*
Japan 61064 43074*
Louisiana 57987
Malagasy Republic 34369*
Mississippi 18256 25500
mountain areas 85679*

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Item

Rotation of crops--Cont
Nebraska 60370
Netherlands 34921* 42073
New Zealand 68579 88274
Northern Ireland 10275
Northern States 70034
Norway 43589*
Ohio 50426 89768
Poland 10317* 60376* 69328* 70238* 70691* 89642*
Portugal 88257*
Republic of South Africa 51614
Rhodesia and Nyasaland 78706 88267
Rumania 88328*
Scotland 44198
Southern States 35019 70082
Spain 9333*
Sudan 18350
Sweden 52216* 67691* 88254* 89628*
Tennessee 10228
Texas 10185 25274
Tropics 7714
Uganda 29831
USSR 1425* 1435* 1444* 1521* 2059* 2338* 7681* 9401* 9419* 17004* 17010* 17088* 17183* 17907* 24335* 25277* 25365* 26360* 43085* 51583* 51605* 51610* 51717* 51725* 51726* 60385* 60470* 60485* 61392* 67748* 69350* 69372* 69382* 69451* 69485* 69653* 70535* 70556* 70584* 70683* 73262* 77840* 78591* 78655* 78745* 78960* 88277* 88281* 88286* 88295* 88305* 88734* 88747* 88756* 88800* 89217* 89346* 89691* 89712* 89783* 89800*
SEE ALSO Field crops, rotation with pasture
Rotenoids 12350
Rotenone 4322 4380 4428 12350 20599 42835 91987
Roth Gy 32534*
Rothamsted Experimental Station 8091 86274
Rotholz Milchwirtschaftliche Höhenversuchsstation 30498*
Rottboellia exaltata 87615
Rotterdam Vereeniging voor den Katoenhandel 75026
Rotylenchulus reniformis 33427 68051 87102
Rough bark
pears 87090
Rough dwarf
corn 16127
Roughage
analysis and composition 45198 90547*
digestibility 62714 62877 27266*
in animal nutrition 79706 90547* 90556*
in cattle nutrition 3393 11480 11645 27644 27656 36512 45463 45469 45490 45528 45538 54147 62680 72040 80101 80117 80190 80199 90925 27642* 36523* 38641* 45507* 71976* 71989* 80180*
in sheep nutrition 4079 4091 20341 36512 80997 91658

Item

Roughage--Cont
in swine nutrition 28620* 37318* 72955* 91803*
processing 74163*
Roundworms 63060 63265 80379 91187 91880
SEE ALSO Nematodes; and names of roundworms
Rous sarcoma 20211
hamsters 54666
transmission 46394
virus 3911 20225 20264 54666 72678
Royal Agricultural Society of England 32249
Royal Agricultural Society of Kenya 76681
Royal Agricultural Society of New Zealand 76457
Royal Agricultural Winter Fair 76423
Royal College of Veterinary Surgeons 90606
Royal jelly 20941* 20954* 37861* 48590*
acids 81925
analysis and composition 81933 12703*
chemistry 37879
effects on animals 64132 64165* 73451*
effects on microorganisms 4836
feed for insects 82062 64503*
lyophilization 29178*
properties 46687* 46688*
Royal Jersey Agricultural and Horticultural Society 15305 85917
Royal Scottish Forestry Society 35635
Royal Ulster Agricultural Society 66986
Rozites gonglyophora 16525
RP 9798 SEE Metamidium moranylate
Ruakura Farmers' Conference Week 94327
Rubarth's disease SEE Canine infectious hepatitis
Rubber
Africa 40131*
aging 84918 84940
conferences and congresses 40134*
analysis and composition 14566 22793 40128 66188 84937 93999
associations 31496*
Cambodia 40131*
Ceylon 40132
chemistry 14564 14567 31492 31501 66189 75681 84915 93042 93998 31497* 48871* 48972* 84927*
reviews 22788
color 40128 66188
consumption 48872
contamination 67827
damage 22791
deterioration 31487
directories 22792
flameproofing 7185
foam 31505*
reviews 22782
history
reviews 22779
industry 84931 84919*
Austria 75678*
Ceylon 47636
European Economic Community 75683
European Free Trade Area 75675
Latin America 57832
Malaya 31499 31502 31504 84938 94000

Item

Rubber--Cont
irradiation 7181 7184
manufacture 48867 84933
molds 22786
policies and programs 84928
processed
reviews 22784
processing 7178 7180 7182 7183 22789 22790 48869 84914 84916 84922 84925 84929 84930 84935 84939 84942 84943 84946 94001*
reviews 22787
properties 7179 7182 7188 14571 31488 31491 84923 84926 31489* 31498*
reviews 22781
reclaimed 84941 84942
reviews 22783
situation and outlook 14767 31500 31507 48870 66187 75673 75677 84947 93997 14565* 75679*
statistics 75677 75676*
Great Britain 83581
India 40129
Malaya 14569
reviews 22779
structure 7188 84915
surpluses 84928
synthetic 7182 31507 84920 84930 84934 84947 14565* 19287* 48972*
reviews 22785
tests 31488 40125 40130 84917
trade 94768
types 7178 7180
utilization 31492 48876 57450 62346 81503 84921 84944 2720* 45120*
Vietnam 40131*
vulcanization 7181 7184 14570 31490 66185 84924 84932
vulcanized 14567 14568 31493 31489*
SEE ALSO Rubber plants and names of rubber plants
Rubber plants 17843 17850
Rubber Producers' Council of the Federation of Malaya 84938
Rubber Red Book 22792
Rubber Research Institute of Ceylon 40132
Rubber Research Institute of Malaya 31504
Rubbery wood
apples 8578 77256 87002
Rübel E A 86191*
Rubia cordifolia 43029*
Rubiaceae 34035 23936*
Rubicundiella 47084
Rubidium
effects on plants 42630 68650
in plants 68604 68605 9024* 88025*
in soils 9024* 61176*
Rubus
abnormalities 42231*
breeding 33776
control 25953
cytology 934 41311 87468
directories 31625
genetics 934 16438 33776 87468

Item

Rubus--Cont
Germany 58709
Great Britain 16438
pest resistance 37710
taxonomy 58674*
virus diseases 87079
Rubus allegheniensis 77374
Rubus hirsutus 88101*
Rubus idaeus SEE Raspberries
Rubus saxatilis 8245*
Rubus spectabilis 89338
Rubus tomentosus 76963*
Rudbeckia 33954*
Rudbeckia hirta 58633
Rudbeckia missouriensis 733*
Rudisociaria n g 64611*
Rudorf W 9375* 15548*
Ruelene
cattle pest control 28877 28911 28913* 81517*
livestock parasite control 3497 12434 36254 37547 54914 55334 63442 63833 72851 80303 91727 54926*
livestock pest control 73134 81543 81610*
residues 54914
tick control 4496
toxicity 37606 63833
Ruellia carolinensis 41423
Ruellia humilis 41423
Rufianic acid 58979*
Rugose mosaic
cherries 87057
potatoes 24429
Ruiru (Kenya) Coffee Research Station 17856
Rum 21942
Rumania Centrul de Documentare Tehnica Pentru Economia Forestiera 10518*
Rumbeke Westvlaamse Proeftuin 25570*
Rumen 62411
anatomy and physiology 11217 11333 36183 36324 45182 45222 53826 53908 62301 79697 79707 90632 90720 11317* 27315* 27433* 45295* 62399* 62489* 71794* 71826* 71827* 71859* 90711* 90766*
artificial 11157 62372 79671*
cattle 11525 19913 45602 45629 36550* 45594*
anatomy and physiology 3332 3588 11581 11631 19846 27773 27802 54363 62802 80130 80218 90925 3482* 3551* 27746* 27772* 36660* 45593* 54350* 54424* 62800* 72160* 72199* 72220* 72226* 91101*
diseases 36676* 72099* 72199* 91124*
hydrogen-ion concentration 11493 27773 91039*
microorganisms 3425 3429 3460 3492 3580 3587 19797 27687 27709 36556 36611 36745 45599 45653 54345 62749 62759 62778 72084 71637 71724 80211 80374 3411* 3567* 45614* 54140* 54265* 54389* 90968* 91101*
oxidation-reduction potential 3494*

*Text of this reference is not in English.

Item

Rumen--Cont
conferences and congresses 53852
diseases 90590*
goats
anatomy and physiology 37216 54948 20376* 20380*
microorganisms 4108 28476*
microorganisms 3073 11243 11259 11299 11333 11345 11349 11361 27268 27323 27404 36170 36261 36292 45237 45252 53813 53947 62311 79748 79763 79835 90608 90648 11218* 27312* 27362* 45329* 62494* 71758* 71793* 71822* 79713* 90712*
sheep 72825*
anatomy and physiology 4125 4154 12099 12156 12161 27773 46146 63438 63538 91671 12159* 91655*
hydrogen-ion concentration 27773 91039*
microorganisms 3587 12162 28488 37198 37214 37232 37242 63450 72853 72871 72886 72887 81034 81092 91691 91708 28449* 37213* 54958* 63470* 72862*

Rumen fistula 11281
cattle 11541 11593 62719 62877 62937 45593*

Rumen flukes 27409 37210

Rumex 9261 87414 1928* 89304*

Rumex acetosa 32807 32839 42300* 46939*

Rumex tianschanicus 26004* 87928*

Ruminants
anatomy and physiology 19464
breeding 20445
care 19616
digestion 11259 11345 11349 71724 27227* 62399* 71728* 71763* 79713* 79904*
diseases 19517 19602 19616
feeding and nutrition 11188 11240 19377 19408 19456 22129 36183 45222 45223 53760 62340 63432 71637 71697 79648 90541 11231* 19400* 27227* 53766* 53784* 63593* 71689* 71758* 79671* 79683* 79699* 79713* 90519*
deficiencies 90529*
pasture and range 27295 71645 90524
recent developments 3028 45219 71656 90519*
reviews 79697
growth
metabolism 27404 36197 36292 53813 71645 79658 90648 11231* 11233* 11280* 19400* 19486* 27312* 45298* 62399* 71794*
pests 4504*
poisoning 37606
reflexes 53993*

Item

Ruminants--Cont
SEE ALSO names of ruminants
Ruminococcus 53813 80211
Ruminococcus flavefaciens 27687
Rumsey F W 67236
Runkel R O H 58410*
Runoff 10379 18504 18585 35277 35529 35555 44326 44458 52924 52990 53041 53474 61486 61588 70799 89908 90282 10405* Arizona 44486
Australia 2453 2479 2498
Belgium 70818*
California 10403
Cameroun 35579*
Colorado 70813
Czechoslovakia 89894*
Hawaii 78851
Hungary 61602* 61622*
Illinois 44468
India 52941
Japan 78798 26508* 26967* 35871* 44892* 78904*
Malagasy Republic 35578*
measurement 2463 35518 52897 61498 61508 61592
Guinea 35554*
Republic of South Africa 35568 35583
Mexico 61496* 61568*
Missouri 2500
Nigeria 26475
North Carolina 70835
North Dakota 2455 26572
Ohio 35272
Republic of South Africa 18863 40627
research
statistical methods 61498
Rhodesia and Nyasaland 35562
Texas 2457 10462
Turkey 35589*
USSR 17878 35465 61579 61584 61623* 61995* 62025* 70807* 78940*
Yugoslavia 78848*
Runt disease 36952
Rupela albinella 28958*
Ruppia 42283*
Rural and Industries Bank of Western Australia 14715
Rural Areas Development Program 10471 14824 14843 14864 14865 14927 14938 14939 14945 15289 23218 31788 31825 31853 32296 40521 40522 40534 53130 57677 57888 57889 57891 66521 74360 85325 85335 85342 85439 85440 85945 90079 94629 94630
Arkansas 14826 58162
Florida 14840
Indiana 22975
Kentucky 14846
Michigan 14921 57833
Ohio 14942
Oklahoma 66505
Virginia 10141
Washington 14918
West Virginia 14851 94309
SEE ALSO Rural Development Program
Rural Bank of New South Wales 23031

Item

Rural Credit Follow-up Survey (India) 49035
Rural development 76383 76398–76400 76416
Algeria 85336*
Australia 66562
Canada 40511 40517 57879 66536
Ceylon 94124
Ghana 76417
Great Britain 49192 85370
India 14828 22457 31876 32202 66942 75982 94297
Kansas 23149
Malagasy Republic 66498*
Morocco 31803*
Netherlands 78839
Philippines 14944 85327
Rhodesia and Nyasaland 7473
Scotland 14842
study and teaching 76383 76397 85430 85829
Taiwan 14886*
Rural Development Program 7780 31866 31889 32170
Alabama 66545
Arkansas 14890 49573 66545
Michigan 66545
Mississippi 85346
Missouri 14836
Wisconsin 14874
SEE ALSO Area Redevelopment Program; Rural Areas Development Program
Rural Industries Bur 7795
Rural life 15164 23254 85814
Alabama 40266
Austria 66891
Canada 58238
China 7775
Costa Rica 15165
France 94287*
Great Britain 76208
Greece 85812
history 23439 94619 94622 76764*
in literature 94626 85807*
Italy 40784* 49415*
Kansas 94619
Lebanon 7840
Mississippi 85806
mountain areas 66885*
Nebraska 94616
North Carolina 57717
Pennsylvania 66889
Poland 49427*
Prince Edward Island 10567
Sardinia 40776*
Scotland 7761
South Carolina 94622
Southern States 85809
Switzerland 40782*
USSR 75829*
Rural-urban fringe 7770 15148 15281 23429 31745 32146 40365 40761 44495 49381 66439 66856 70406 76313 76319 76326 76347 85263 94623
California 15141 40739 40747
Czechoslovakia 85412*
Europe 58086*
France 14024*
Germany 40754*
Maryland 31744
Michigan 66840
Minnesota 85756
Netherlands 49422* 85747*
New York 94593

Item

Rural-urban fringe--Cont
New Zealand 76346
Northeastern States 23416
Pennsylvania 23444 35567
Virginia 40734
SEE ALSO Urbanization
Rural-urban migration SEE Population, migration, rural-urban
Rural-urban relations 15166 32179 58107 66856
Germany 32267* 76502* 85950*
Yugoslavia 49439*
Ruschia 32738 67418 58643*
Ruscus hypophyllum 59473* 68290* 68362*
Rush SEE Juncus
Ruspolia 141
Russelia coccinea 798
Russelia equisetiformis 798
Russet scab
potatoes 50321
Russet spotting
lettuce 39755
Russeting
apples 41664
citrus 73288
pears 88058
Russian thistle SEE Salsola kali
Russian wildrye SEE Elymus junceus
Russula 32973 24075* 41560*
Russula exalbicans 41560*
Russula lilacea 67600*
Russula persicina 67600*
Rust 24312 50406
Antirrhinum majus 24348*
bananas 29089
beans 405 452 8435 8525 16092 33207 41738 41801 58986 77099
coffee 477 8516 52358 58942
corn 50844 68481
Cyperaceae 86574*
flax 51710
grain 445 16010 16011 24211 24308 24316 33232 33267 41792 50376 77115 77126
peanuts 41893 41924
pears 77143*
Pinus 16003 61880 61909 86761
safflower 8435
sorgho 868
Stenolobium stans 8482
wheat 496 1478 8435 8531 41837 41895 43169 60460 68457 50393* 86815*
Rust fungi SEE Uredinales
Rusty grain beetle SEE Cryptolestes ferrugineus
Rusty spot
peaches 33191
Ruszkowski J 49838*
Ruta graveolens 16905*
Rutabagas
analysis and composition 39645*
anatomy and physiology 77730 34096* 68337*
culture 89152
disease resistance 516
fertilizers 10276*
germination 4658 92117 20750*
pest control 4659 55395 81655 92118
pests 20725*
planting 17632
pollen 69117*

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Item

Rutabagas--Cont
seeds 4658 4659 92117
varieties 516 17633 25831*
weed control 35030
yields 10276*
Rutaceae 7026 43870 52352
anatomy and physiology 68243
biochemistry 9225 77793*
Brazil 8198
Southeastern States 23944
Rutelidae 37721
Rutelinae 38103* 46866* 64356* 73635* 92392*
Rutgers University
Dept of Agricultural Economics
publications 94151
Ruthalicia n g 67452
Rutidoderes 82826
Rutin 16571 34331
Rutosides SEE Rutin
Ruttner F 32558*
Ruttya 141
Ryacionia duplana simulata 73836*
Ryania speciosa 16917
Ryden N 41184*
Rye 6819
anatomy and physiology 24825 68736 87699 1227* 9113* 16760* 16812* 25036* 42509* 67917* 69050* 87855* 87999*
biochemistry 33646* 60360* 77403*
breeding 59727 87418 25347* 59620* 69323*
Czechoslovakia 88443*
Finland 9373*
Sweden 1514*
USSR 25376* 34443* 43147*
culture 89658
Finland 69394
Great Britain 9466
Hungary 34379*
Netherlands 17091*
New Zealand 71839
Spain 88409*
USSR 1631* 17082* 26308* 35431* 60469* 89795*
cytology 830 892 8746* 33646* 77403*
disease resistance 86729 9373*
ecology 33498*
feed 12219* 62643* 71634* 81199*
fertilizers 52806 2344*
Canada 25528
Georgia 70669
Latvia 88329*
Nebraska 10296
Poland 89644*
Sweden 70526*
USSR 2320* 26308* 61390*
forage plant 9466 19737 52806 88571 1511* 1631* 34477* 88694*
fungus diseases 59006 86729 41882* 67917*
Argentina 86836*
control 33278*
France 8455*
Hungary 86826*
Washington 24354
genetics 892 8834 50875 59727 87418 87457 8746* 8810* 42371* 42372* 59680* 59685* 68460* 87386*
germination 60175 51055*

Item

Rye--Cont
hardiness 59767* 59895* 60017* 60055* 60091* 60223* 61390*
harvesting date 1589* 16760*
history 57186
hybrids 8834 8746* 8810* 25346* 25376* 43162* 59620* 68460* 69426* 77403* 77450* 77687*
male-sterile 87425*
microorganisms 39866*
milling 57186 14305* 22459* 31156* 65845* 65869* 75259*
milling and baking quality 6812*
morphology 59369* 59421* 59620*
pests 81631*
planting 25528 9380* 34419* 33498* 88694*
planting date 1589* 59369* 88329*
pollen 43132 77687*
pollination 34443* 69361*
proteins 39850*
quality 34443* 88329*
seeds 1273 94004 88694*
certified 31523
Germany
East Germany 34419*
quality 69361*
treatment 33278*
vernalization 51290 60077 25036*
viability 59006
soils 26019* 59767* 61390* 89795*
statistics 6819 31160
storage 73342*
types 1631* 25036* 34443*
varieties 52806
Finland 69393 69394 9373*
Germany 9360*
Hungary 87855*
Netherlands 17091*
Poland 1511* 43086* 88694*
South Dakota 60421
USSR 25324* 25376* 69361*
vitamins 7961*
waste 12219 11009*
weed control 9876* 43775*
yields 52806 2344*
Georgia 70669
Latvia 88329*
Nebraska 10296
Poland 69328*
South Dakota 6819
Sweden 70526*
USSR 2320* 26308* 60017* 61390*
Rye bran 31188*
Rye flour
baking quality 22459* 31141* 84411* 93685*
proteins 39851*
quality 65845* 65911*
Ryegrass SEE Lolium
Rygchium 55891
Rygchium foraminatum scutellaris 55900
Rynthoribatidae n fam 29283

S 421 92013*
Saarland Landeskulturverwaltung 66782*
Sabestena 5221
Sabethes 82458*

Item

Sabethes ortizi 21266*
Sabinene SEE 4(10)-Thujene
Sabithane 77094*
Saccharase SEE Invertase
Saccharicoccus 92527
Saccharides 66235 8979* 60213* 77676*
Saccharin 65155*
Saccharomyces SEE Yeasts
Saccharose SEE Sucrose
Saccharum 8839 60363 77411*
Saccharum officinarum SEE Sugarcane
Saccharum sinense 77411*
Saccharum spontaneum 1044 9525 50714
Sacchiphantes SEE Chermes
Saccogyna 67537*
Saccogynidium n g 67537*
Sachs-Le Docte test 22902
Sacramento County – Yolo County Mosquito Abatement District 63861
Saddles 5723 83012
Saemundssonia 64741*
Safety SEE Accident prevention; Accidents and SUBHEAD hazards and safeguards UNDER specific subjects
Safflower 17227*
culture 9523 51816 69648* 88727*
feed 90909*
fungus diseases 440 8435 24205 33347 41828 77090 86857
genetics 24753
germination 77505
pests 55386
planting 9516 78939* 88725*
pollination 4783 92257
varieties 25503 88715 88725* 88727*
yields 9516 25503
Safflower meal 11894
Safflower oil 14496 66144
Saffron SEE Crocus sativus
Safrole 21781
Safroxane 63724 63790
Sage 48696
Sagebrush SEE Artemisia
Sagina subulata 41848
Sagittaria subulata 8646
Sagittifer n g 38289*
Sagiyama virus 55335 55336
Sago 39739
Sagra amethystina 92375*
Saguaro SEE Cereus giganteus
Sahlbergella singularis 8595
Sainfoin 88656*
anatomy and physiology 8873* 68392*
culture 60589*
defoliation 43287*
ecology 33662* 68146* 87185*
fungus diseases 41809* 86931*
germination 87515*
Great Britain 25433
hardiness 60589*
morphology 59383* 87185* 33662*
pest control 63495*
pollination 55178*
seeds 55178* 61251* 86931* 88023*
USSR 8220* 8221* 41809* 60589* 63945*
varieties 8221* 69504*
yields 25433 88023*
St Augustine (Trinidad) Imperial College of Tropical Agriculture 7771 71972 88265
St Augustinegrass SEE Stenotaphrum secundatum

Item

St Hyacinthe Ecole de Medecine Veterinaire de la Province de Quebec 11332
St Johnswort SEE Hypericum
St Louis (Mo) Botanical Gardens 58528 67293
St Maurice Forest Protective Association 2770
Saint Vincent Dept of Agriculture 32507 86131
Saintpaulia 88985 89049
anatomy and physiology 24867 24999
breeding 43540
culture 25696 25783 43470 43523 43541 43568 78124
Canada 34706
Great Britain 43569
fertilizers 26260 26295
propagation 25783 30081 89014
soils 26289 43952
varieties 43582
Saintpaulia ionantha 8445*
Saissetia coffeae 12916
Saissetia oleae 4693*
Saitama Kenritsu Nogyo Shikenjo 86275*
Sakaguchi reaction 87312
Sake 30426* 56577* 74595* 93244*
Sakhalin fir SEE Abies sachalinensis
Sal SEE Shorea robusta
Salad plants 43609
Salads 58328 67112
Saldidae 5218 38294 55851 38338* 92511*
Saldula 5218
Saldula madonica 38338*
Saldula pallipes 92511
Saldula scotica 5238
Salebria semirubella 82797*
Salicaceae 33731 62172 79576 86468 90454 23988* 73087*
Salicarus n g 92500*
Saliciphaga n g 64611*
Salicornia 68238
Salicylic acid 83694*
Salicyluric acid 56629
Salina 56047
Saline soils 1186 8993 16766 16864 18014 18105 18414 18443 18555 24984 35545 44449 52467 52945 61547 87598 16264* 26395* 52537* 61157* 70765*
Algeria 18445*
Arkansas 52657 52944
Australia 2410 17182 18444 52962
bibliographies 2025 2087 44166 52488
California 78920
Canada 44071 50935
China 35495
desert areas 18484
Hungary 35132* 87221* 89766*
India 10130 18217 18472 18502 26087 26301 35473 61913 70233 77904
Iran 17957 16207*
Iraq 17956 18475
Italy 26524
Mozambique 61583*
North Africa 50634*
North Dakota 2382 2455
Pakistan 18408
Portugal 26411*
Puerto Rico 10341
Rumania 10109* 78860* 89626* 89732*
Sicily 89477*

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Item

Saline soils--Cont
Spain 26416 26447* 61543*
Sudan 18475 18562
Tunisia 59835* 61500*
Turkey 18514
USSR 18412 18528 87484
87597 87729 87889
89476 89870 89885
10347* 10361* 10391*
17974* 24493* 33834*
44329* 68090* 69002*
70704* 70715* 78779*
78784* 78877*
Vietnam 89579*
Saline solutions SEE Sodium chloride solutions
Saliva 79840*
cattle 3425 11475 27690
36544 62759
insects 12934 20786
81446
ruminants 53908
sheep 12164 20397
Salivary glands
cattle 80339*
insects 21244 38311
38328 38329 55822
64494 73658 82483
82532 92503 5168*
21252* 29550* 37652*
47029* 55430* 64425*
73674* 73679* 82357*
livestock 11230
poultry 28344
rats 80690*
sheep 28533
ticks 92320
Salix 41413*
anatomy and physiology
77493 87238
Argentina 24011* 44861*
bark 24207
breeding 44861*
culture 9970 53469 70156
44861* 60793* 90109*
Czechoslovakia 50021*
Europe 9970
fungus diseases 8415*
514* 86879*
germination 42507*
Great Britain 70156 73328
Hungary 64385*
hybrids 24011* 50021*
identification 52042
measurement 79164*
New Zealand 53469 53476
pests 73328 12804* 64385*
73400* 92246*
Poland 19304*
pulpwood 19255*
Rumania 90109*
seedlings 26920*
sites 26800*
taxonomy 76960*
USSR 174* 24020* 41455*
varieties 53476
virus diseases 87084*
Yugoslavia 73400*
Salix acutifolia 62243*
Salix alba 21336 2708* 10665*
18955* 19273* 27191*
Salix alba chermesina 73328
Salix americana 16834*
Salix amygdalina 50021*
Salix arctica 90476*
Salix berberifolia 280* 16388*
Salix caprea 60058*
Salix cordata SEE Salix eriocephala
Salix daphnoides 50021*
Salix eriocephala 20887*
Salix kimurana 16388*
Salix lanata 8202*
Salix nigra 42146
Salix purpurea 19056
Salix reticulata 87261*
Salix sieboldiana 38481*
Salix triandra SEE Salix amygdalina

Item

Salix tschuktschorum 16388*
Salix viminalis 18984* 64106*
70130*
Salix vitellina britzensis SEE Salix alba chermesina
Salkowski's solution 9133
Salmalia malabarica 46637
Salmonella 3937 3948
45598 53829 71853*
90714*
beef 6946*
buffalo meat 6950*
cattle 80320
coconuts 22324 14561*
30943* 39639*
eggs 31426 40118 54760
75656 93971 7141*
7144* 14561* 84876*
84877*
feed 3140 11186 11298
22147 39432 45956
80320 81350 83331
83355 83969 83972
84642 27290* 39451*
45666* 79735* 83974*
fertilizers 39432
food 21795 79816 80320
83331 83351 83355
83344*
fruit 30950
insects 92473*
livestock 3140 79850
45307* 62393* 90603*
livestock products 11298
84642
meat 6912 39920 81350
84601 6894* 39973*
48625* 84701* 84711*
93804*
meat meal 84641*
minks 72381*
pork 81279*
poultry 28339 28353*
80814* 80889* 84641*
poultry meat 6912 84912
swine 45598 80320
28651* 28655* 46282*
transmission 46414*
Salmonella abortivoequina 91302*
Salmonella abortusovis 81099*
81108*
Salmonella choleraesuis 12304
91877* 91913*
Salmonella dublin 27693
80935*
Salmonella enteritidis 47981*
Salmonella gallinarum 28200
37047 72522 19521*
20188* 37071* 66155*
Salmonella infantis 6947
Salmonella manchester 48007*
Salmonella mbandaka 27776*
Salmonella pullorum 3902
3910 20191 37089
45974 46056 54966
19521* 37025* 37096*
37162* 46090* 66155*
80793* 80836* 80869*
Salmonella reading 37281*
Salmonella stanley 90640*
Salmonella typhimurium 3948
7119 11932 19521
48006 62849 37080*
62459* 83450* 91544*
Salmonella typhisuis 28709*
Salmonellosis 79771 79850
3094* 6963* 71768*
79897* 84701* 90714*
90767*
Canada 27309
cattle 19451 72204
27776* 54246* 80209*
causes 45666*
Ceylon 27693
control 54426 3441*
62761* 91094*
Florida 80265
Ghana 45598

Item

Salmonellosis--Cont
cattle--cont
Great Britain 62849
Poland 27883*
transmission 62840*
72194*
causes 11298
coypus 80600*
diagnosis 79790*
dogs 11769* 54564*
ducks 37028 72675 37080*
45998*
Finland 11352*
fur-bearing animals 80598*
Germany 19454* 36231*
horses 11825
Indonesia 36332
Japan 79893
man 19451 39432 48006
72194* 80209* 84877*
mice 72435
pigeons 54790*
Poland 62423*
poultry 3948 11932
28339 37084 46051
91473 28353*
causes 45956
conferences and congresses 73005*
control 28313* 72707*
Denmark 28313*
Germany 63321*
Italy 80814*
Poland 72645* 73005*
resistance 72522
Sweden 80889*
transmission 63312*
91544*
treatment 3889 80834
80884*
rabbits 46086* 80935*
91613*
sheep 72204 37281*
63528* 81099*
swine 81350 20513*
28709* 37377* 81258*
81279* 91877* 91913*
conferences and congresses 73005*
control 28647* 81325*
immunization 28691*
Poland 73005*
prevention 91886*
reviews 73027*
transmission 46282*
treatment 12304 4236*
37397* 63666*
transmission 53829
6304* 62393* 63870*
90715*
treatment 11370
turkeys 45956 45978
80846
vaccines 90640*
SEE ALSO Fowl typhoid; Pullorum disease
Salpiglossis sinuata 42197*
59519*
Salsify 268
Salsola 15717* 15748* 32723*
58610*
Salsola kali 32736*
Salsolaceae 20731*
Salt SEE Sodium chloride
Salt-marsh caterpillar SEE Estigmene acrea
Salt-marsh mosquito SEE Aedes sollicitans
Saltatoria 64709*
Saltbush SEE Atriplex
Salticidae 4913 82183
29299* 82158*
Saltpeter SEE Potassium nitrate
Saltpeter Chile SEE Sodium nitrate
Saltpeter Norway SEE Calcium nitrate

Item

Salts
effects on insects 55785
81849
effects on plants 1143
10429 16514 16515
24771 24900 24954
24996 25051 25124
26528 33984 35134
42516 50925 50935
51152 51159 51181
51251 53769 59831
59885 87491 87659
1076* 2640* 2775*
16714* 25053* 42456*
42766* 51155* 69002*
69067* 87597* 87729*
87814* 87861* 87872*
87889*
in animal nutrition 80740
81228 81007*
in grapejuice 83653*
in lumber preservation 62103
in milk
reviews 47937
in plants 16797 51003
51335 59831 68834
in soils 10038 10050
17944 17992 18017
18052 24900 24954
25051 25124 26291
26433 35167 51251
52378 52512 59885
61095 61167 61567
2640* 26578* 35132*
42456* 42766* 44444*
52466* 52537* 68273*
70230* 70231* 70249*
70283* 78875* 87496*
87861* 88210*
Algeria 78891*
Australia 18542 61120
Canada 53008
Colombia 17969*
Colorado Basin 26431
France 78827*
Hungary 52917
India 70233 10437*
Iran 61115*
Iraq 17956
Israel 26497 26528
Kansas 2420
Morocco 89484*
Netherlands New Guinea 43976
Rumania 26442*
Sahara 78891*
Spain 24509 44415*
Taiwan 2458*
Texas 78871
USSR 2066* 10016*
16714* 25130* 35158*
43941* 44459* 52508*
52539* 61129* 78788*
89843* 89870*
in wine 83653*
Salvadora persica 77017
Salvia 817 41399 59417
15781* 93894*
Salvia glutinosa 41397
Salvia nubicola 41397
Salvia sclarea 59579*
Salvia splendens 34248
50674
Salvia verticillata 88593*
Salvinia auriculata 691
9882 43726
Salvinia natans 77502
Salvinia rotundifolia 8668
Salviniales 32878
Samarbejdsudvalget for Landokonomisk Ungdomsarbejde 76453*
Sambucus nigra 39763*
Samia cynthia 21401 21440
Samia cynthia pryeri 21399
Samvirkende Sjaellandske Landboforeninger 58381*

*Text of this reference is not in English.

Item

San Agustin G 49839
San Dimas Lemon Association 22376
San Francisco Golden Gate Park
Strybing Arboretum 32748 60807
San Joaquin County (Calif) Dept of Agriculture 86132
San Jose scale SEE Aspidiotus perniciosus
Sanango n g 41371
Sanariana 82215*
Sancaphene 80532*
Sand bluestem SEE Andropogon halli
Sand crack 91312*
Sand culture SEE SUBHEAD soilless culture UNDER Plants and names of plants
Sand dunes 10799*
Australia 78943 78953 87226
bibliographies 2185
Denmark 29284
Florida 33500
France 2648*
Great Britain 711 38018
India 89188
Italy 16543*
Japan 68197 10465* 78295*
Mexico 13069
Missouri Basin 50642
Netherlands 59292*
Pacific Coast States 44466
Poland 53036* 70199* 70456* 71150*
Rumania 49392*
USSR 16208* 44799* 52373* 89900* 89905* 90254*
Sandalwood SEE Santalum
Sandalwood oil 31336 75508 79492
Sanderson J H 71767
Sandflies SEE Culicoides; Phlebotomus
Sandoricum koetjape 50781
Sandy soils 17997 18124 44383 52692 53322 61055 68581 2037* 70472* 70540* 70933* 88664*
Australia 18885 26029 37687 89782
bibliographies 2182
Connecticut 10320
Czechoslovakia 18966* 44228* 89796*
Denmark 89802*
Florida 18280 18956 35402
Germany 10023* 18428* 26399* 77673* 78445* 85063* 88299* 88551*
East Germany 25270* 26332* 43098* 43220* 43290* 44030* 44218* 44256* 61048* 61829* 69561* 70680* 70692* 78540* 78542* 78551* 78683* 82948* 83517*
Hungary 1265* 2093* 10222* 10235* 35439* 44139* 44174* 61809* 61914* 70477* 70551* 70681*
Italy 89499* 89552*
Japan 61066
Latvia 64102*
Lithuania 43981* 44099*
Mexico 18573*
Nebraska 89573
Netherlands 2353* 10165* 17301* 26247* 35404* 40574* 57926* 76218* 78275* 78360* 83570*
New England States 44477
New Zealand 18143

Item

Sandy soils--Cont
Poland 2280* 10675* 26604* 44150* 44152* 44299* 44320* 70239* 70404* 78286* 78587* 89636* 89642* 89788*
Rumania 10265* 35744* 49392* 89742*
USSR 53278 2320* 44072* 44096* 44098* 44105* 44136* 44172* 44208* 44221* 44235* 44253* 44269* 44280* 44281* 44294* 44319* 44784* 44795* 52565* 59337* 60500* 61811* 61852* 70177* 70423* 70643* 71115* 71125* 79227* 79292* 89525* 89919* 90179*
Sangaris 82351*
Sangle R 67183*
Sanguinaria 263
Sanguisorba minor 87343*
Sanguisorba officinalis 53761*
Sanicula 8240
Sann hemp SEE Sunn Crotalaria
Sanninoidea exitiosa 4706 20815 29103 46586 81804 81805 81807
Sansevieria 1820* 17106*
Sansevieria deserti 32764
Santa Barbara Botanic Garden 45
Santa Paula Citrus Fruit Association 39688
Santalaceae 16283
Santalales 33648
Santalum 557 79492
Santalum album 10677 16852 25118 51133 68378 77650
Sante par le Lait 83837*
Santonin 41373 43874 67425
Santoquin 6412
Sanvitalia procumbens 59445
Sao Paulo Instituto Biologico 76684 76683*
Fundo de Pesquisas 49889*
Sao Paulo Instituto Butantan 28819*
Sao Paulo Jardim Botanico 8119*
Sao Paulo (State) Dept da Producao Animal 22004*
Sap 9140 16159 34043 50518 51198 51529 60143 86827 87998 19028* 21274* 21280* 24804* 51389* 60256* 77808* 77836* 86688*
Sap stain 62099
Saperda carcharias 20915*
Saperda populnea 12649* 20893* 37837* 38411* 92242*
Saperdini 92346*
Saphanidus 82225*
Sapindaceae 23970*
Sapium 23989*
Sapodilla 67899 25586*
Sapogenins 16975 60362 42958*
Saponaria grandiflora 87422
Saponaria officinalis 42653*
Saponaria vaccaria 8825 87422
Saponin 11307*
in feed 6421 48124 80288*
in plants 1362 9298 51491 51511 60362 42653* 42958*
in sugars 85031 83693*
in tea 39134
in vaccines 36360* 53866* 79804*
Saposhnikovia 8251

Item

Sapotaceae 32774
Sappaphis plantaginea SEE Anuraphis rosea
Saproglyphidae 4929
Saprolegnia 77346*
Saprolegnia monoica 16269
Saprolegniaceae 639 41892 59251
Sapropel 10511* 54724*
Saprophytes 42305 44050 16665*
Sapyga quinquepunctata 64539
Saran 24676*
Saratoga (Calif) Horticultural Foundation 43356
Saratov Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya 19550
Sarawak Dept of Agriculture 23756
Sarawak Forest Dept 10576
Sarcandra irvingbaileyi 42285
Sarcanthus 15749*
Sarcocystis tenella 28516*
Sarcodiotheca 32935
Sarcodon 291*
Sarcoma 19444*
cats 3692
dogs 3667 54503 54557 45774* 63018* 63087*
ducks 46043
Sarcophaga aldrichi 29427 92433
Sarcophaga hinei 29427
Sarcophaga houghi 29427
Sarcophaga peregrina 12898
Sarcophagidae
anatomy and physiology 29427
as parasites 92433
Colombia 38202*
Czechoslovakia 21236*
France 38167*
geographic distribution 64429*
Hawaii 5125
parasites 29434
Rumania 64429*
taxonomy 46953*
Western Hemisphere 38227
Sarcophaginae 64429*
Sarcoptes 21060*
Sarcoptes scabiei 4485 55279*
Sarcoptes scabiei suis 4542
Sarcoptiformes 12767* 38024* 55706* 81544*
Sarcosporidia 75443*
Sarcosporidiosis 19459 6969* 28516* 80647*
Sarcoxylon regia 33905*
Sardia rostrata 29539
Sardzea n g 47130*
Sargassum 213 42173*
Sargassum flavicans 69198
Sarka virus disease SEE Plum pox
Sarmiento D F 49951*
Sarnowiec W 91845*
Saropogon 82384*
Saropogon (Lycomax) n sgen 82382
Sarothamnus SEE Cytisus
Sasa 701 16242 16243 33541 53358*
Sasa kurilensis 33541 59310
Sasamorpha 701
Saskatchewan Agricultural College Graduates' Association 57869 85434
Saskatchewan Agricultural Machinery Admin 56088
Saskatchewan Agricultural Societies' Association 57869 85434
Saskatchewan Dept of Agriculture 58382
Saskatchewan Dept of Co-operation and Co-operative Development 58230

Item

Saskatchewan Dept of Natural Resources
Forestry Br 26711
Saskatchewan Field Husbandry Association 57869 85434
Saskatchewan Forest Products 45004
Saskatchewan Milk Control Board 48008
Saskatchewan Municipal Hail Insurance Association 57721
Saskatchewan University
Dept of Horticulture 34604
Farm and Home Week 57869 85434
Saskatchewan Wheat Pool 17066 39853
Sassafras 17803
Sathrochthonius n g 82126
Satin moth SEE Stilpnotia salicis
Satsuma oranges 7602 25135* 26281* 68303* 69717* 70638* 70639*
Satsumanus 64499
Satureia 129 86496*
Satureia douglassii 16966
Satureja SEE Satureia
Saturnia pavonia 55983*
Saturnia pyri 92619*
Saturniidae
Africa 91986*
anatomy and physiology 5467 29734
cytology 29635*
geographic distribution 47191*
habits and behavior 55978
taxonomy 82740*
Satyridae
Asia 13004*
Europe 73839 13004* 29629* 82658* 82739*
habits and behavior 29697 73839
nomenclature 64653*
rearing and breeding 38489
taxonomy 64690 29654* 64659*
Wisconsin 64609
Satyrium behrii 55973
Satyrus pegala texana 29652
Sauces 93149*
Saucropogon n g 82382
Sauerkraut 48458*
fermentation 31039*
flavor and odor 57065
Germany 30935*
manufacture 48450*
pasteurization 93648*
processing 57065
reviews 14178
vitamins 31039*
Sauriscus 29281
Sausages
adulteration 84698*
analysis and composition 6903 48640 6904* 6906* 14342* 14346* 31246* 31262* 39888* 39906* 39914* 39921* 48619* 48621* 48624* 48634* 48635* 57242* 57244* 65996* 65998* 66004* 75393* 84602* 84619* 84621* 93807* 93810* 93812* 93816*
bacteria 7016* 31300* 39933* 65998* 84610* 84637* 84688*
canning 48711*
casings 84669 93981 57313* 66082*
chemistry 93799*
color 57296 84610*
coloring 40011 84740*
contamination 84693*
curing 75462* 93799*
defects 66037 31276* 39906* 84602*

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Item

Sausages--Cont
discoloration 39958* 66044*
fat 31243* 84623*
fermentation 84752*
flavor and odor 6903
frozen 48696
grading and standardization 31284* 39967* 48673* 57274* 84688*
ingredients 93981 48720* 84728*
irradiation 14418
Italy 65961*
keeping quality 39933*
manufacture 22634 48640 57296 14429* 31262* 57304* 75460* 75468* 84728* 84740* 84742* 84744* 93870*
Australia 48701
Czechoslovakia 66072*
equipment 75482*
Hungary 66069* 66070* 66086* 75474* 93874*
USSR 7000*
marketing 6932
microorganisms 31253 66044* 93799*
moisture 93812*
nutritive value 49720*
pests 37778* 81850*
proteins 39967* 84619*
quality 75401* 93807*
regulation and inspection 22607
Austria 6904* 84688* 84698*
sanitation 84669 7000* 57304*
spoilage 31300*
sterilization 7016*
storage 48696
tests 75401* 84610* 93816*
types 40103
Saussure H de 82653*
Saussure T de 15535
Saussurea 23990* 23991*
Saussurea viscida 15734*
Sauva ants SEE Atta
Savannas
Brazil 8782
Central America 33525*
Ethiopia 35802
Ghana 10617
Nigeria 19046 33477
Savchenko I H 86160*
Savic J 86199*
Savignia 82180
Savings 14692
Savvaitov N P 8037*
Saw-toothed grain beetle SEE Oryzaephilus surinamensis
Sawdust 62058*
composts 90158 61203*
fertilizers 52800 60178
litter 45722 81547
marketing 36112
mulch 89797
processing 27141
products 11091 27172* 36028* 53692* 62188* 79559*
pulp and paper 45072*
Sawflies SEE Symphyta; Tenthredinidae; Tenthredinoidea
Sawhney K 58423
Sawmills
Canada 10922 79462
conferences and congresses 90336 90337
costs and returns 10920 10921 2821* 19142*
directories
equipment 19143 19147 19149 19151 19153 19155 19156 53540 90329 44952* 62069* 71400*
directories 10886

Item

Sawmills--Cont
equipment--cont
Germany 19145*
USSR 53543* 90333*
France 44951*
Germany 19140*
Great Britain 53537
history 53541 62064*
Indiana 2820
labor 10925*
Maine 27069
management 10920 19149 27033 35942 53539 90332
Australia 10919
Finland 44954* 62063*
Malaya 90340
Northeastern States 10926
Philippines 53542 90340
USSR 19154* 79463* 79466*
Washington 19144 53536
mechanization 10921 90335 10918* 44955* 62059*
Nigeria 71407
Republic of South Africa 90330
statistics 10919 27032 53536
Sweden 27035*
Tennessee Basin 19148
Tropics 71397*
USSR 2825* 10924* 19141* 19142* 19150* 19152* 27031* 44955*
waste 71465
Germany 71403*
marketing 36112
utilization 19251 45107 71401 79464 79554 79590 90338 90430 2919*
Yugoslavia 62061*
Saws 71394* 79455* 90334*
band 2824* 10923* 62062* 71398* 71399* 90339*
blades 53521* 62062*
chain 35929 44922 53509 53534 71406 90305 35913* 62034* 62058* 62199* 71358* 71369* 79453*
circular 19139 19148 27034 35949 53538 53539
frame 35938 2824* 35943* 35944* 62060* 71405* 79465*
hazards and safeguards 53509
maintenance and repair 19146 35929 35935* 90339*
Mozambique 79452*
Netherlands 90328*
power 35929 64923 19119* 19125* 21597* 35935* 44933* 44941* 44944* 79450* 79453* 90301*
Rumania 2801* 26996*
teeth 2819* 71398*
tests 19139 71385*
types 71361 71402 2823*
USSR 79463*
veterinary 90691*
Saxifraga 59972*
Saxifraga ciliata 43017
Saxifragaceae 50072 60287* 87236*

Scab
apples 377 473 475 15989 16056 24191 33290 41728 41793 41865 41905 50269

Item

Scab--Cont
apples--cont
50347 77117 86875 16086* 41746* 41747* 67817* 77106*
Carya illinoensis 386 387 408 428 33173 33174 58924 58962
citrus 24265
cowpeas 67931
cucumbers 8427 50328 77096
loquats 33292*
peaches 16055
pears 16086*
potatoes 1848 10042 16014 24240 50426 67947
Scabby mouth SEE Sore mouth
Scaberia agardhii 42279
Scabies
cattle 55357 91024*
poultry 55303*
sheep 63522 81057
swine 4542
SEE ALSO Mange
Scabiosa 89434*
Scaevola 8201
Scaevola sericea 8208
Scaevola taccada 8208
Scald
apples 8922 14156 22432 31058 31061 33099 48441 84322 84335 84357 84379 93639 93660
cherries 30958
pears 57069 84333
Scale insects
anatomy and physiology 21278 38299 73739 81980* 92521*
as pests 12538 12567 81792 12577* 37738*
control
Alabama 64028
Argentina 73323*
Australia 29071 92173
biological 12460 20833 64006 4742* 73294*
Florida 64020
France 55497*
cytology 92522*
food and host plants 92497*
habits and behavior 12923*
larvae 29569*
outbreaks 81788
parasites 5319 29515 82516* 92568*
SEE ALSO Coccidae; Coccoidea
Scales (insects) 29664 38541 55950 64689
Scales (weighing instruments) 30242
Scaly-leg mite SEE Knemidokoptes mutans
Scamboneura 38156
Scambus buolianae 5306 38388
Scambus hispae 73834
Scandium 87602*
Scapastathes n g 92350*
Scaphiostreptus buffalus 82159*
Scaphoideus littoralis 92182*
Scaphoideus luteolus 29532
Scaphopetalum 23967*
Scaphytopius acutus 82513
Scapogoephanes 82225*
Scaposodus n g 46817*
Scapsipedus micado 29749
Scaptocoris divergens 5257 29575
Scaptocoris talpa 37747
Scaptosciara 29483*
Scar skin
apples 87050
Scarabaeidae
Afghanistan 82318*

Item

Scarabaeidae--Cont
Africa 46828*
anatomy and physiology 5022 5024 55737
and disease 4533
as pests 4440* 91994* 92080*
Asia 55743*
Australia 38120 73626
Bolivia 64355* 82303*
Comoro Islands 29261*
control 82268 63752* 63785*
diseases 55732* 63752*
ecology 38083*
Ethiopian Region 46827*
Florida 46911
France 82214*
Great Britain 73592 73607 73643
habits and behavior 46829* 46830* 64334* 64362*
larvae 4626 5018 55373 63785 55740* 63752*
Malagasy Republic 29376* 46858*
Mexico 92401*
Neotropical Region 29380*
Palearctic Region 38071*
parasites 12864* 73644*
populations 73636*
Scotland 4981
Southeastern States 29364
taxonomy 21085* 21142* 46811* 46812* 46858* 46866* 46884* 64356* 73635* 82262* 82317* 82340* 92392*
USSR 73639*
Scarabaeini 46827*
Scarabaeoidea 82278 29354* 46869* 82260* 82261*
Scarlet oak SEE Quercus coccinea
Scatella calida 21233*
Scatopse 29466
Scatopsidae 73665 92449
Scavenius C S 58416*
Scelidoloba SEE Loboscelidia (Scelidoloba) n sgen
Scelionidae 5304 29581 38423 64556
as parasites 92560
USSR 37479* 38386*
Sceliphron spirifex 92553
Scenedesmus 9270 88113
Scenedesmus acuminatus 31647*
Scenedesmus obliquus 42728* 60328* 60047* 68885* 68886*
Scenedesmus quadricauda 42761*
Scent glands 5257 37747 38297 82712 92625 82511* 82663* 92283*
Scepticus griseus 12848
Schachtschabel test 70294*
Schaeffer J 32973
Schain test 39289
Schalk A F 58425
Schalm test SEE California mastitis test
Schatzmayrina 82283
Schauder W 23780* 76717*
Schefflera barteri 32864
Scheloribates 73584
Scheloribates laevigatus 4965 82206
Schendyla peyerimhoffi 29309
Schenella 50137
Scheuchzeria palustris 100
Schiff's test 37062 19511*
Schiller J 41216* 86180*
Schinopsis balansae 68217
Schinus molle oil 22705*
Schisandra 8284*
Schisandra chinensis 67764* 70127* 70143* 88968*

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Item

Schistocerca alutacea group 38534
Schistocerca cancellata 82828*
Schistocerca gregaria
Africa 12327*
anatomy and physiology 13053 38530 55992 55998 55999 73859 82810 92631 21463* 47210*
breeding places 55995
control 73091 91954 91955 92089
cytology 55204 64701
genetics 38536
habits and behavior 21456
India 4418
nutrition 13052 21451
outbreaks 28755
populations 64707 92631
Schistocerca paranensis 12372* 37451*
Schistolaelaps n n 29297*
Schistonyx 82602 29625*
Schistosomia 91067
Schistosomiasis 3141*
cattle 3421*
diagnosis 27333
Japan 53958
man 85899 66907*
ruminants
reviews 27347*
transmission 63860
Schizachyrium 58628*
Schizandra SEE Schisandra
Schizanthus pinnatus 59519*
Schizaphis 55853
Schizaphis graminum SEE Toxoptera graminum
Schizaphis jaroslavi 64524
Schizodactylidae 82834
Schizodactylus 82834
Schizolachnus pini-radiatae 64489 64490
Schizolobium parahybum 16673*
Schizomidae 64311*
Schizomus 64311* 82185*
Schizonoda 82215*
Schizonotus 47073
Schizophyceae SEE Cyanophyceae
Schizophyllum 64314*
Schizophyllum commune 1259 16048 33250*
genetics 16474 33765 59723 68433 33797*
Schizophyllum sabulosum 37770*
Schizopteridae 12941
Schizosaccharomyces acidodevorax 83616* 93625*
Schizura concinna 81832
Schleichera oleosa 21295
Schleichera trijuga SEE Schleichera oleosa
Schmid G 15571*
Schmidt R 58417*
Schmitz H 94883*
Schneider C T 76741*
Schobinger E 86198*
Schöber A 8018*
Schoengastia 29297*
Schoenobius incertellus SEE Schoenobius incertulas
Schoenobius incertulas 4632 12441 3766 12492* 37650*
Schoepfia 41317*
Schofield F W 32547
Schonberg F 86185*
Schonebeck-Frohse (Germany) Central Institute for Research on Storage and Marketing of Cereals 93737*
Schönfeld test 6830*
Schoninger test 30138
School lunches 7937 7948 14520 74799
bibliographies 7937 49697
School lunches--Cont
Canada 13770*
Finland 49693
Great Britain 49672
history 23682
Netherlands 13771* 41053*
policies and programs 49696 58337 76608
Tennessee 6276
West Virginia 58313
School Milk Program SEE Special School Milk Program
Schools 5922 15209 15210 40809
Austria 40815*
Germany 15206*
Iceland 76431*
Italy 15193*
Louisiana 23460
Schoop G 15582*
Schoutedenichia 55684*
Schradan 20703* 63792*
Schultz-Dale reaction 27463*
Schumann P 32550*
Schurz C 8058
Schwanniomyces persoonii 86593
Schwannoma 54772*
Schwantes M H G 67205*
Schwarz J N H 32530*
Schwarzmann's method 62916*
Schweizerische Botanische Gesellschaft 76885*
Schweizerische Entomologische Gesellschaft 81357*
Schweizerische Gesellschaft fur Analytische und Angewandte Chemie 76686*
Schweizerische Milchkommission 6189*
Schweizerische Vereinigung fur Freiwilligen Land- und Arbeitsdienst 23108*
Schweizerische Vereinigung fur Innenkolonisation und Industrielle Landwirtschaft 23381*
Schweizerischer Bauernverband 23546*
Schweizerischer Forstkalender 53126*
Schweizerischer Forstverein 18658*
Schweizerischer Geflugelzuchtverband 72740*
Schweizerischer Obstverband 22317 65741 1673* 1676* 30982* 43371* 84171* 93548*
Schweizerischer Weinbauverein 56581*
Sciadopitys verticillata 9789
Sciaphobus squalidus 92163*
Sciapteron tabaniformis SEE Paranthrene tabaniformis
Sciapteryx consobrina 64574*
Sciara 29021*
Sciaridae 29483*
Science
and agriculture 15610 31798 31815 40786 49746 94962 16481* 94960*
Hungary 60383*
USSR 23727 49896 14818* 32603* 48760* 49752* 57834* 76040* 76047* 85008* 94941* 94952*
conferences and congresses 7998 49748 86125 94852 94943
dictionaries 23722
directories 31898
Scientists 40786
Scilla 87414
Scilla hyacinthoides 67469
Scilla obtusifolia 902 88124*
Scilla scilloides 42280
Scindapsus aureus 9762
Scindapsus officinalis 33672
Sciocoris 82538 47004*
Sciomyza dorsata 4341
Sciomyzidae 12872 12903 55787 46956* 46962*
Sciopus heteropygus 12907
Scirpophaga nivella 12501 4631*
Scirpus 15764 24008 50074 68329 86462 58691*
Scirpus peckii 8247
Scirpus subulatus 67514
Scirtothrips clarus SEE Chaetanaphothrips clarus
Scirtothrips signipennis 4704
Scitamineae 808 68388
Scleranthus 86479*
Scleria 32734 32790
Sclerites 12882 82417
Sclerochiton 156
Scleroderma vulgare 67598*
Sclerogibbidae 29601
Sclerophthora SEE Sclerospora
Scleropodium ornellanum 8285*
Scleroracus 73747
Sclerosing solutions 27308
Sclerospora cryophila 77182
Sclerospora graminicola 86938
Sclerospora macrospora 24334 41752 50416
Sclerospora maydis 59082*
Sclerospora philippinensis 16084
Sclerospora sacchari 434 50331
Sclerospora sorghi 24278 86835
Sclerostachya fusca 773
Sclerotinia 15861 8509* 8980*
Sclerotinia borealis 50355
Sclerotinia camelliae 24192 50259
Sclerotinia dennisii 24103*
Sclerotinia fructicola SEE Monilinia fructicola
Sclerotinia gladioli 33284*
Sclerotinia graminearum 59095*
Sclerotinia homeocarpa 41732
Sclerotinia laxa SEE Monilinia laxa
Sclerotinia libertiana 77149*
Sclerotinia minor 24193* 24238* 59043*
Sclerotinia sclerotiorum 68563 67898* 83687* 86731* 86916*
Sclerotinia trifoliorum 77089*
Sclerotiniaceae 50760
Sclerotium 41927
Sclerotium bataticola SEE Rhizoctonia bataticola
Sclerotium cepivorum 41780 24341* 86943*
Sclerotium rolfsii 409 8413 33179 52178 24366* 41836* 77086*
Scolecobasidium 24072
Scolecopeltidium 32948*
Scolecotrichum graminis 24360*
Scoliidae 73771 64547* 64550*
Scolioplanes 82165*
Scolocenus n g 92328
Scolopendra 12760*
Scolopendra amazonica 4924
Scolopendra cingulata 82157*
Scolopostethus 21308
Scolypopa australis 4697
Scolypopsis 64396
Scolytidae
anatomy and physiology 4999 21119 64324 82231 82276 82323 12820* 46857* 64379* 82307*
Scolytidae--Cont
as pests
Cameroun 81802*
France 64071*
Ghana 20908
Spain 37819*
West Africa 12545
Canada 82322
Colombia 12856
control 37800* 73370*
Costa Rica 63989
ecology 73653* 92235*
reviews 38141
food and host plants 29393*
habits and behavior 5000 5045 5050 38137 55596 55723 64332 64354 82346
identification 5005
Micronesia 38154
migration 38152*
nomenclature 64333
North America 5051
parasites 5030 5046 5049
Philippines 12855
populations 12645
rearing and breeding 29363
Southeast Asia 55717
surveys 73604*
taxonomy 21093 64396 64363* 82326*
United Arab Republic 81884
Scolytoidea
anatomy and physiology 5031 82327
Australian Region 82326*
Malaya 82231
Neotropical Region 12843
taxonomy 5031 82327
Scolytomimus 38154
Scolytus 64333 12805*
Scolytus multistriatus 5030 12640 21144 37808 81876
Scolytus unispinosus 5027 64354
Scolytus ventralis 5027
Scoparia 47130*
Scopariinae 5483
Scopelogena n g 67418
Scopolamine 16951* 43008*
Scopoletin 9308
Scopolia carniolica 87650*
Scopula caricaria 47148*
Scopulariopsis 271*
Scopulariopsis brevicaulis 63043
Scorpio maurus 81459*
Scorpiones SEE Scorpionida
Scorpionida
anatomy and physiology 12758 21051 46787 46804 55698 82156 82196
Angola 82163
bites 20659*
Brazil 28819* 29312*
cytology 4956 82182*
Czechoslovakia 82162* 82200*
habits and behavior 38017
Iraq 38051
rearing and breeding 73567
Republic of South Africa 4930
South-West Africa 82163
taxonomy 4957
venom 12758 28936 81459*
Scorzonera 868 50969* 52177* 59943* 64808* 82020*
Scorzonera hispanica 12722*
Scotch pine SEE Pinus sylvestris
Scotland Crofters Commission 49270 94434
Scotland Dept of Agriculture Scottish Standing Committee on Residual Values of Fertilizers and Feeding Stuffs 15136

*Text of this reference is not in English.

Item

Scotland Land Court 32100
Scotobius 82288*
Scotogramma marmorosa 92615*
Scotolemon 55687*
Scototrechus n g 82227
Scots pine SEE Pinus sylvestris
Scottish Agricultural Organisation Society 15306 76687
Scottish Association of Young Farmers Clubs 76458 85918
Scottish Horticultural Research Institute 25542
Scottish Society for Prevention of Cruelty to Animals 62517
Scottish Woodland Owners' Association 79075
Scours
  baby pigs 4281 37383 37408 37399* 46269* 72997*
  prevention 12235 37368 46258
  treatment 46274 81250 55087*
  calves 3505* 54417* 54450*
  diagnosis 19800*
  prevention 36710 62668
  treatment 3443 11644 19906* 27706* 36679* 62871* 62872*
  treatment 11255* 11335* 11343*
  vaccines 36710 37368
Scrapie 12124 12127 37254 54931 54972 91686 91716
Screw-worm SEE Cochliomyia hominivorax
Scrobipalpa ocellatella 29743* 37614*
Scrophularia 50078 58648 58705
Scrophulariaceae 50063 58648 76925 59349* 87371*
Scrub typhus SEE Tsutsugamushi disease
Sculptobracon SEE Bracon (Sculptobracon)
Scurvy 91211
Scutanolaelaps 73556*
Scutechiniscidae 73558
Scutellaria 23981*
Scutellerinae 47024
Scutelleroidea 82505
Scutigera coleoptrata 12778*
Scutigerella 4954
Scutigerella immaculata 12600 37653 92127*
Scutigerella pagesi 46791*
Scydmaenidae 21111 5033* 29355* 46904* 82258*
Scydmaenus (Geoscydmaenus) n sgen 29355*
Scydmoraphes 82258*
Scymnini 46844 46845
Scymnus 46844 82271
Scymnus (Pullus) 46845
Scythrididae 64663*
Scythropus 38100*
Scytonema tenue 1285
Scytonotus 38030
Scytosiphon lomentaria 68239*
Sea walls 26603
Sea water 18418 47621 8882* 16838* 78816* 89829*
Seabuckthorn SEE Hippophae
Sealand Manor Co-operators (Welsh Land Settlement Limited) 40697
Seattle World's Fair (Seattle)
Seaweed
  biochemistry 9272 69184 42988* 51535*
  drying 22940
  ecology 42140 50612 59228 33552* 59332*
Seaweed--Cont
  feed 80619
  fertilizers 2335 80619 51429*
  bibliographies 2532
  Great Britain 89954
  Japan 32933*
  Scotland 85122
  utilization 40235 85136 85138
  SEE ALSO Algae
Seaweed meal 63588* 81200*
Secodes coactus 82373
Sebaea 156
Sebor J 32539*
Secale africanum 68492*
Secale ancestrale 42403* 87443*
Secale cereale SEE Rye
Secale fragile 68492*
Secale kuprijanovi 42403* 87443*
Secale montanum 8834 68460*
Secale silvestre 16466*
Secale vavilovii 8746*
Sechium edule SEE Chayote
Secretaries on farms 49078
Sectiliclava cleone 5255 5256 5293 73786
Sedation 3187 19493 53997 3054* 3136* 36346* 79822* 90607*
  cats 28003 28035* 63005* 91201* 91233* 91254*
  cattle 3485 54215 54394 62777 19831* 19880* 36622* 36897* 37371* 54421* 91050*
  dogs 3708 20006 28003 45762 91198 91207 91256 28036* 45768* 45788* 45797* 63005* 63073* 91201* 91233* 91254*
  goats 4128
  horses 28123* 36892* 36897*
  mice 80693*
  poultry 11890
  rats 81182
  sheep 46111
  swine 20496 81183 37362* 37363* 37371* 37376* 72980* 81311* 81330* 91856* 91903*
  SEE ALSO names of sedatives
Sedge SEE Carex
Sediment test
  blood SEE Erythrocyte sedimentation reaction
  meat 93810*
  milk 22017 47930 74686
  wheat 14227 14306 14317 22467 22524 31125 75284 84439 84455 84459 84523 93709 93754 31210* 39830* 65925* 75345* 84454*
Sedimentation 2528 18152 26562 44326 61181 78550 78930 78945 79038*
  control 61606
  Dahomey 35348*
  France 70213*
  Great Britain 61617
  India 26493
  Indus Basin 53019
  Japan 70302* 78835* 78846* 78905*
  Poland 35226 70409* 70439*
  USSR 18286* 43978* 70210*
Sedina buttneri 92579*
Sedoheptulose 16891
Sedum 23935* 89071*
Sedum atratum 41479
Sedum furfuraceum 149
Sedum guatemalense 69865
Sedum idaeum 41480
Sedum lagascae 41481
Sedum ochroleucum 41482
Sedum serpentini 41483
Sedum spinosum 33654*
Sedum stefco 41484
Sedum telephium 41487
Seed Act 40142 40148 48900 84978
Seed analysts 84948 84970
Seed-corn maggot SEE Hylemya cilicrura
Seed Trade Buyers Guide 40150
Seedling yellows
  citrus 59196
Seeds 1432 16446 84957
  advertising 7205 7213 75702
  age 87773*
  analysis and composition 7202 7228 31525 31532 57468 57493 30425* 31513* 40152* 44805* 57488* 75685* 84979* 88249* 94008*
  conferences and congresses 84948 84951
  anatomy and physiology 828 1295 42479 42572 60143 60152 68712 68982 87251 9058* 9099* 9208* 34038* 42490* 42841* 42892* 51247* 60130* 68799*
  associations 84976 84986
  Canada 40149
  Germany 22820*
  Oregon 7220
  Sweden 9326 7189* 57491*
  bacteria 16758*
  Belgium 94021*
  biochemistry 1400 16970 16587* 16877*
  Canada 75702 41037*
  care and handling 5687 84981 40135* 40143* 48898* 75701*
  certified 1419 1426 1431 7195 7203 7205 7210 7213 7216 7219 7222 7223 7224 14581 35826 40139 69304 75684 75687 75688 75695 75696 75699 75706 75709 75710 75712 35827*
  advertising 7227
  Australia 84972
  Austria 48891*
  California 22797
  Canada 40153 75702
  Europe 40147
  Germany East Germany 48879*
  Great Britain 43231 48881 66196
  Idaho 66199
  Illinois 84962
  international 75689 22799*
  Iowa 75693 75694
  Italy 57457* 94020*
  Kansas 22808 66202
  Louisiana 7191
  Mexico 31527* 40136*
  Minnesota 31522
  Nebraska 88386 94013 94480
  New York 28815
  North Carolina 31523 66204
  North Dakota 57467
  Ohio 7215 66205 84977
  Portugal 31533*
  Republic of South Africa 7229
Seeds--Cont
  certified--cont
  reviews 33053
  Spain 40145* 94514*
  Sweden 7214* 48890* 94005*
  Switzerland 94011*
  USSR 40140 14585*
  Wyoming 7237
  cleaning 322 7199 85639 48886* 75701* 84975*
  equipment 7200 12616 22796 14572* 57489* 57490*
  collecting and preserving 15676
  collections 15669
  conferences and congresses 1430
  consumer preferences 7238
  containers 57466
  cooperatives 84981
  costs and returns 15078 58036 85537*
  Nebraska 94480
  Spain 94514*
  Vermont 94528
  directories 40150
  Australia 84972
  Idaho 66199
  Illinois 22802
  Iowa 75693
  Kansas 22808 66202
  Nebraska 94013
  New York 22815
  Ohio 7215
  Sweden 57491*
  Texas 94019
  dissemination 15677* 59308* 79355*
  dormancy 942 1210 1316 8957 9022 9074 16595 16675 16689 25076 42484 42788 51033 51043 51175 51381 59818 68905 77468 77575 77667 87820 87975 948* 9208* 16494* 24782* 25134* 34129* 35799* 42504* 59596* 68328* 68664* 87773* 90247*
  reviews 26922
  drying 7221* 48886* 51055* 57465* 75711* 83132* 93153*
  germination 992 1198 1263 1295 5687 8937 16762 16845 24885 33881 42572 42716 42884 42908 51164 51406 60106 77499 77506 77511 77637 77499 77723 87812 87959 89260 16587* 16758* 24818* 26131* 26132* 33832* 34230* 42462* 42697* 51364* 60133* 60171* 60207* 61220* 68540* 68959* 68965* 75713* 87537* 87773* 87775*
  reviews 77592
  grading and standardization 84952 84969 31526* 57484*
  Congo 48877*
  equipment 75698 66190* 94002*
  Hungary 75697*
  international 22799*
  USSR 84975* 94018*
  harvesting 13229 92841 87706* 88653*
  identification 50053 60933 60989 66209 48895*
  India 31515
  industry 7211 7216 22800 84950

*Text of this reference is not in English.

Item

Seeds--Cont
industry--cont
Canada 66198
Europe 40147
Germany 7197 84961*
East Germany 14582* 31529*
Great Britain 7197 15078 22809 57469
India 22803
Netherlands 57460 14021* 94022*
public relations 48885
Republic of South Africa 7232
Rumania 22814*
Sweden 75700*
USSR 48897 57485* 66208* 75703*
injuries 59804* 59942* 68965*
labeling 7193 31511 66194
legislation 7194 7231 40148 48900 84988 86811 31527*
losses 44831*
bibliographies 14578
marketing 7203 7210 7222— 7224 14581 22804 32315 40141 75699 75706 75710
Denmark 31531* 66197* 66200*
Europe 40144
Great Britain 49527 57469 66197
legal aspects 57477
Republic of South Africa 7209
Sweden 14586*
moisture 1212 8901 35821 51013 57468 9058* 44805*
morphology 21029*
Netherlands 59728*
Norway 64835*
oxidation-reduction potential 42511* 79298*
packing 31517 22813*
pellets 2163 2732 4603 57470 69954 75691 43586* 52102* 60273* 68904* 69952*
pests 73064 92231*
planting 17296 41275
equipment 5734 13220 47344* 74075*
Germany 47383* 64865*
India 21601
maintenance and repair 56139
Netherlands 92791*
New Zealand 13192 29917
parts 56144* 92792*
USSR 47389* 74068*
policies and programs 1418 7192 7196 7225 7226 22811 75690 84956 84967
Canada 75686 84955 84985
Czechoslovakia 75692*
France 31512*
Germany
East Germany 76200* 84984*
India 7207
Italy 57457*
Mexico 22801*
Poland 94009* 94012*
USSR 14589* 31524* 31528* 48903* 75714* 94016*
prices 9341* 66200*
processing 1420 7198 14575 22796 66192 75691

Item

Seeds--Cont
proteins 16918 51441 74381 76964 69177* 84979* 88110*
purchasing 40153 79273*
quality 1295 7208 7217 7233 22795 57477 58036 75712 84958 84966 94008* 94023*
Canada 40153 78227 84966 84980 84987 40137*
Great Britain 40138
India 66207 84966
Louisiana 57461
Netherlands 57473
New York 7193 31511 66194
Norway 48887*
Scotland 85639
Sweden 57472* 94006*
USSR 31526*
regulation and inspection 7194 7201 22810 40142 40148 48900 57478 75709 84950 84978 84983 94014*
Austria 48882* 48891*
Denmark 86630*
equipment 75698
Indiana 48892 48893
Kentucky 14579
Maine 7204
Massachusetts 7212
Missouri 40156 84974
Netherlands 14021* 57496*
New Jersey 31519
New York 7193
Oklahoma 83476
Sweden 14586* 31508* 31518* 40151* 48890*
Vermont 7234 7235
West Virginia 14588 22821
size 68776
Southeastern States 84981
statistics 74568 85079 93194
storage 7206 59774 1189* 14218* 22813* 24866* 24982* 51055*
bibliographies 14578
diseases 64057 94003
humidity 42702*
pest control 94003
pests 64057
Sweden 87706*
temperature 42702*
USSR 22812* 31521* 48898*
study and teaching 22819*
Sweden 94008*
tests 1207 7230 7236 14575 14587 16068 16612 16824 22806 22810 24393 26871 26872 41666 41670 41710 58955 60076 60106 75696 77499 77505 77506 77513 77575 77637 77662 77699 79299 84949 84953 84960 84964 84965 84971 84973 87812 94004 450* 16587* 26862* 31516* 42511* 51756* 75713* 87943*
Australia 7218
Austria 24266* 43077* 43630* 48896* 48902*
Canada 84982
conferences and congresses 66201
equipment 84959 84963
Finland 94007*
Germany 22798*
East Germany 48880*

Item

Seeds--Cont
tests--cont
Great Britain 61006 66209
Missouri 40156 84974
Netherlands 41709* 59069*
New York 7193 31511 66194
Norway 75704*
trade 7852 7926 22804 58298 58299 73064 76510 76571*
Denmark 67088*
Finland 15408*
Germany 23629* 41037* 49631*
international 19016*
Netherlands 76554*
Republic of South Africa 7879
Switzerland 15401*
Taiwan 41020*
transportation 84981
treatment 322 337 342 992 9076 15904 16845 24438 24885 25022 33128 33252 42348 50160 50223 50344 60106 67677 67690 68870 77511 87780 329* 24173* 41919* 46329* 46362* 50356* 60133* 60171* 68959* 79301*
Canada 33066
Czechoslovakia 67882*
equipment 83130 52102* 58899*
Finland 92118*
Great Britain 8398 28761
Hungary 33103*
India 8402
Italy 18594*
Netherlands 77186* 86683* 86942*
reviews 33053
USSR 34241* 51364* 58969* 67726*
vernalization 16658 42656 50993 1189* 9056* 42616* 51417* 68596*
viability 1207 16612 16824 25022 42908 51313 59753 59774 24982* 25019* 34038* 40143* 51364* 88022*
weight and measurement 1534* 20750* 71196*
SEE ALSO Aircraft, in seed planting; Plants, embryos; and UNDER Trees, and names of plants
Seetzenia orientalis 87331
Segni A 86149*
Seira 56047
Selachina n g 73737*
Selaginella 68260*
Selatosomus aeneus 64398* 64399* 82252* 82277*
Selenates 25173*
Selenistis 38519*
Selenium
effects on plants 51275 51416
in animal nutrition 3062 11191 11262 19418 71686*
in animal physiology 11257* 27382*
in cattle nutrition 12153
in pigeon nutrition 11904
in plants 2169 9310 25956 31124 51275 78337 87626
in poultry nutrition 11904 11909
reviews 45932
in rabbit physiology 12054

Item

Selenium--Cont
in ruminant nutrition 90517
in sheep nutrition 12153 20347 37203 37243 63415
in sheep physiology 12113 12131 54967 55080 72832
in soils 2169 45262 78337
in turkey nutrition 11909 63235
therapeutic use 27354 27355 90633
cattle 27764 45605
poultry 80855* 91532*
sheep 37280 91719 91532*
toxicity 2169 3062 3898 28457 45262 61942 62349
Selenophoma 8300*
Selidosemidae 5472
Seligman method 9269
Sellacotyle vitellosa 20059
Selskapet for Norges Vel 76688*
Semasia 29115*
Sematophyllum 58751*
Semen 19369 36149*
analysis and composition 11147 27210 27213*
Apis mellifera 29173
buffaloes 11403 11453 11454 45412 62599*
care and handling 27223* 90500* 90501*
cattle 3233 3234 62571 80029 80034 11413* 19636* 27569* 36396* 36411* 62584* 71957* 90827* 90834* 90864*
analysis and composition 3259 3279 3292 19666 36400 45415 71920 80025 27846* 36159* 54125* 62548* 71936* 71948* 80064* 90830*
bacteria 3293 3242* 11449* 54127* 71958*
care and handling 71912*
chemistry 27525
dilution 3264 3268 11403 19669 27582 45412 62532 62533 62596 62602 62625 79993 79994 80030 90836 11442* 19643* 19663* 27573* 36399* 71923* 71933* 71959* 71970* 90841* 90848* 90878*
enzymes 3026* 62620* 90861*
microorganisms 27567 36406 54306 80031
quality 54110* 62618* 71888* 90835*
storage 11403 19673 19675 36406 36441 45412 62579 80008 11431* 19663* 27538* 36426* 36464* 45417* 45442* 54106* 54107* 54129* 54130* 62585* 71924* 71925* 71958* 71970* 79999* 80026* 80039* 80060* 90498* 90841* 90878*
tests 19670* 19674* 36437* 54120* 71923*
trade
Great Britain 67083
viability 3264 19640 27529 27582 36384 62532 62533 62612 62625 90852 27508* 27509* 27518* 27538* 27580* 36383* 36399* 62578* 71896*

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Item

Semen--Cont
chemistry 19370*
dilution 3020* 3022* 27218*
goats 72775 90498*
horses 3026* 11813* 11814* 36159* 63159* 90861*
minks 45805*
poultry 3841 37508 72456 72464 72486 91377 91373*
analysis and composition 28182 72479*
bacteria 80714*
dilution 20140 63222 91367 91379 80724*
enzymes 45870
storage 91379
viability 3837 20140 91367 80724*
proteins 27226
rabbits 37145 46080
reviews 62262
sheep 12073 63403* 72779* 91662*
analysis and composition 4041 37188 36159* 71948* 91689*
bacteria 72768*
dilution 20331 63406 28410* 72769* 91629*
enzymes 3026*
quality 37173
storage 63406 11431* 63401* 63408* 90498*
viability 20331 91639 72769*
storage 19372 3020* 27225* 79635* 90500* 90501*
swine 4171 12183 12187 12188 28557 81163 81164 28559* 55001* 63572* 72919* 81166* 91758* 91771* 91783*
analysis and composition 12176
care and handling 55002*
storage 81157 12181* 81172*
trade
Ceylon 63561
Great Britain 63561
turkeys 3839 20121 20133 72480
SEE ALSO Electroejaculation; Spermatozoa
Semiadalia undecimnotata 29361
Semicarbazide 20199 91479
Seminal vesicle 46102 45699* 80033* 80630* 80694*
Seminar on Consumer Preferences and Market Development for Farm Products 56368
Seminar on Implications of Agricultural Adjustments for Land-Grant College Administrators 58185
Semiothisa alternaria 64594 64604
Semliki Forest virus 20667
Semolina 84479*
Sempervivum 32783* 32784* 76985*
Senckenbergische Naturforschende Gesellschaft 76690*
Senecio 8199 15787* 19485* 32724* 58586*
Senecio borystenicus 88098*
Senecio citriformis 32746
Senecio erucifolius 88172*
Senecio jacobaea 21368
Senecio leucanthemifolius 16277*
Senecio longilobis 82295
Senecio magnificus 60302
Senecio pterophorus 89353
Senecio reclinatus 58688*
Senecio vulgaris 720 16509
Senecioneae 62223
Senecionine 60302
Senior Young Farmers 32250
Senna SEE Cassia
Sennidin SEE Sennoside
Sennoside 60325
Sense organs 92306
arthropods 4852 12770* 21057* 21061*
cats 72313*
horses 36896
insects 5253 29227 38530 46691 55837 82381 92306 92308 21223* 38540* 47204* 55606* 82784* 82839* 92294*
reviews 12750
reviews 37953* 37972*
SEE ALSO SUBHEADS chemoreception; hearing; smell; taste; touch; vision UNDER Insects; Livestock and names of animals
Sensilla placodea 55606*
Separan AP-30 22832 57569
Sephadex 59118*
Sepiapterin 73709
Sepsidae 64431* 73712*
Septicemia 19462*
Apis mellifera 82012*
cattle 3475 11848* 54298* 54299*
coypus 3728*
horses 3764*
poultry 80847*
Septogloeum 77017
Septogloeum mori 24254
Septonema chaetospira 15855
Septoria 24309 458* 8300* 50146* 59025*
Septoria apii 86897*
Septoria apii-graveolentis 86811 67808*
Septoria chrysanthemella 15999* 67801*
Septoria chrysanthemi 67801*
Septoria graminum 429* 8476*
Septoria lactucae 24350
Septoria lycopersici 24310 86728*
Septoria menthae 33209
Septoria musiva 8415
Septoria nodorum 395 24266* 41812*
Septoria obesa 41926
Septoria passerinii 59092
Septoria tritici 24339 86819*
Septotinia populiperda 50348
Septotis SEE Septotinia
Sequestrene SEE Ethylenediaminetetraacetic acid tetrasodium salt
Sequestrene 138 Fe 77540
Sequestrene 300 Fe 77541
Sequoia 79311 67528*
Sequoia gigantea 1243 34177 43992
Sequoia sempervirens 44685 61820
cones 26895 26896
measurement 10642
seeds 10708
wood 11094 53548 62075 62225 79470 79471
Sequoiadendron SEE Sequoia
Serangiini 29386
Seres armipes 64572
Sergentomyia sattii 55814
Sergentomyia squamipleuris haseebi 55814
Serianus 92317*
Sericin 48264 82027 20994* 65646* 74938* 82041* 82060*
Sericina SEE Cicindela (Sericina)
Sericopompilus 82602
Sericostoma 64736
Sericulture
Brazil 48725*
conferences and congresses 73480* 73490*
Europe 82066*
history 73468* 73487*
Hungary 4854* 73493* 82031*
India 73482 82065
Italy 4853* 29217* 46713* 73487* 82049* 82052* 92290*
Japan 6549 65629 73494 73499 73503 82053 82054 46710*
Malagasy Republic 82058*
Poland 82024*
Spain 82023* 82055* 82056*
Thailand 29229*
Turkey 82057 82059
USSR 4856*
Serine 63290 89537 37932*
Seriphidium n g 41438*
Serixia 46817* 82225*
Serological tests 11300 31257 45254 55341 62746 71808 79792 79887 79940 83657 90577 36329* 45236* 53821* 53940* 90586* 90609* 90664* 93814*
buffaloes 45683
cattle 3412 19891 36739 54442 62823 80437 91142 11608* 19853* 54261* 54323* 72173* 80417* 80466* 80474* 91129* 91131*
dogs 45791
man 7782
mice 36956 91347
pigeons 80880
poultry 72658
sheep 81124*
swine 81251 81306 46282* 91895* 91917* 91923*
turkeys 3915 80846 80880
Seromucoid 63085*
Serotherapy 12050
Serotonin SEE 3-(2-Aminoethyl)-5-indolol
Serpentine soils 44074* 59283* 77025*
Serpieri A 49845* 76751* 86221*
Serpula SEE Merulius
Serradella 9509 43289 68557 43280* 43281*
Serratia marcescens 5049 91219 29768*
Serres O de 58541*
Serromyia 5079*
Serum
animals 19931 28250 27302* 45371* 53889* 71806* 90640*
cattle 45631 80415 45632* 80217* 80621*
dogs 91242*
goats 20398*
horses 28105* 72418* 80621* 91242* 91305* 91318* 91319* 91320*
plants 550 573 8606 8610 25211 33362 33418 42043 50260 50502 59184 68015 77242 567* 24425* 50519* 51536* 87030*
swine 72983 81260 81261 81335*
SEE ALSO Immunization; names of serums; and UNDER Blood
Serum neutralization test 37015 3216* 27410* 72292* 80399*
Serum proteins SEE Blood, proteins
Servants of India Society 40897
Serviceberries 1823 17446 43577
Servicio Cooperativo Interamericano de Agricultura 31868 23206*
Servicio Tecnico Interamericano de Cooperacion Agricola 31886*
Servicio Tecnico Interamericano de Cooperacion Agricola (Honduras) 58186*
Sesame
anatomy and physiology 16321*
bacterial diseases 59108 25501*
breeding 908 25501*
India 22650 31094 48779
morphology 33640
tests 39434*
varieties 17236
virus diseases 33401
Sesame flour 67133
Sesame milk 15480
Sesame oil 75520*
Sesamia cretica 64628*
Sesamia inferens 4630
Sesamia nonagrioides SEE Sesamia vuteria
Sesamia vuteria 63879* 63880* 92570*
Sesamum SEE Sesame
Sesbania 36609
Sesbania aculeata SEE Sesbania bispinosa
Sesbania bispinosa 10437* 35415*
Sesbania sesban 34032
Sesbania speciosa 73255
Sesiidae 38506*
Sesone 25886 52178
Sesqui-oxides 43954 17973* 70267*
Sesquiterpenes 14493
Sesquiterpenoids 62173*
Sessea brasiliensis 27688*
Setaria (nematode) 54425 45370* 90726*
Setaria (plant) 32841 59354*
Setaria digitata 54957
Setaria faberii 25912 43793 67489
Setaria glauca 16785 16862 24778 24779 52193
Setaria italica
abnormalities 42289
anatomy and physiology 12502
breeding 60499*
ecology 68158
genetics 59354*
morphology 59416*
statistics 65893
taxonomy 23969*
yields 88333*
Setaria sphacelata 77480
Setaria verticillata 25001*
Setaria viridis 52193 67489 43239* 59416* 59670* 70660* 88082*
Setariosis SEE Filariasis
Setcreasea 32816
Setcreasea ovata 50032
Setcreasea pallida 50880
Setcreasea purpurea 50880
Setodes 64731 47258*
Setosophroniella n g 46817*
Setovelleda n g 46816*
Seven-Year Plan
Germany
East Germany 65565*
USSR 6887* 7037* 7547* 10419* 11058* 14039* 18330* 19089* 22842* 30727* 35894* 49179* 53491* 56950* 57215* 62267* 74466* 75272* 84137* 85182* 85183* 94838*

*Text of this reference is not in English.

Item

Sevin
apple pest control 55501
cattle pest control 28906*
cotton pest control 28952
effects on plants 9632 78080
field crop pest control 46505
fly control 37521
formulations 81439
fruit pest control 46601 81782 12554*
hazards and safeguards 64025*
insect resistance 63751
ornamental plant pest control 29044
physiological action 28801 46335
poultry pest control 81496
residues 20834 57021 65753
sugar beet pest control 4622
sweetcorn pest control 20742 63907
synergism 29039
vegetable pest control 46505

Sewage
and insects 20672 28817 55360
bacteria 26098 28651* 36340* 79950*
bibliographies 70932
disposal 21761 26495 44495 55360 74373 74374 83295* 93016*
Germany
East Germany 65045* 65047*
Great Britain 83296
Hungary 65041*
USSR 47605*
feed 62280 71639*
fertilizers 2536 2537 10506 17917 52737 53096 53098 53099 61665 2302* 2533* 18122* 36340* 52772* 70499*
Germany 10308* 35617* 78445*
Great Britain 10504
India 18622 61669
Poland 79950* 89960*
reviews 61667*
USSR 18496* 26278* 35319*
in irrigation 44408 53013 18121* 18537* 44387* 44414* 78884*
utilization 48982

Sex
arachnids 4953 46797 82127 82147 55662*
arthropods 12777 38036* 46803*
buffaloes 54478*
cattle 3530 19649 45655 3465* 11676* 36456* 93780*
ducks 28166*
hamsters 63197
insects 5155 5587 21163 21169 21265 21395 29493 46986 47245 73672 73699 73706 73739 82418 82557 85495 5099* 5645* 29808* 38350* 38526* 45167* 47048* 47061* 55738* 81966* 82307* 85465* 92493*
determination 4735 5201 29554 46843 55977 56012 12904* 29576* 29751*
reviews 27976

Item

Sex--Cont
insects--cont
ratio 5127 5178 29232 38232 38319 55782 64422 64477 73667 73778 81669 82276 92227*
livestock 27430 45167* 45377* 90495*
plants 719 822 845 8751 16428 24638 33611 33627 33668 33673 33705—33707 33720 34947 35795 35814 50700 50783 50788 50805 50863 50904 59525 68255 77357 87295 8807* 10729* 10730* 16467* 24613* 24723* 33677* 33701* 33720* 34947* 35795* 35814* 42182* 42219* 42292* 42300* 59392* 59503* 59545* 68241* 68317* 68324* 68355* 68360* 68521* 77361* 77373* 77425* 77674* 87296* 87323*
reviews 60016*
poultry 12016 20263 37048 45943 46037 80866
determination 80833*
ratio 3826 80861*
sheep 37173 11676*
turkeys 3811 45902 57423 75645

Sex behavior
Acarina 21038 38060* 82120*
arachnids 82114 38010* 82121* 82132*
cattle 19636 80034 3281* 71936* 71975* 80043* 90827* 91089*
reviews 63176*
Coleoptera 5021 82319 55738* 82250*
Diptera 5087 5208 21207 21241 29442 38163 55797 55803 55831 73675 73678 82356 82362 38258*
ducks 80787*
goats 20321
Hymenoptera 38392 38423 5291* 5299* 55872*
insects 29245* 37986*
laboratory animals 28131
Lepidoptera 29691 38441 55978 73797 82661 82728 82729 82764 21425* 29642* 55927*
livestock 11148* 11149*
reviews 63176*
minks 63092*
Odonata 47245 82878
Orthoptera 55998 38547*
poultry 3818 20132 72456 72468
rabbits 28405
rats 28140
sheep 28493 91626 12065* 37184*
Siphonaptera 5605
swine 28556* 63576* 81218* 81248*

Sex organs
Acarina 21079 73588 36060* 46808* 82120*
Anoplura 21501 29808*
Apis mellifera 29173
arachnids 73539 73549 82117
asses 80625*
cats 20015*
cattle 3233 11708 27816 36561 54087 80058 80298 36696* 54328* 62578* 62798* 80047* 80063* 80450* 90857*

Item

Sex organs--Cont
cattle--cont
diseases 19653 27542 45643 54435 19898* 45571* 45694* 45702* 54250* 54303* 54440* 54454* 54461* 62744* 72254* 91009*
Coleoptera 21105 21152 29375 55733 55737 82299 12835* 38076* 46890* 64380*
coypus 45810*
Diplopoda 55689
Diptera 5134 5188 5192 5204 5206 55827 92448 5084* 21212* 38285* 46966* 64445* 82463* 92452*
dogs 63033 20015* 91244*
Ephemeroptera 92656*
Hemiptera 5235 21292 47024 64494 64495 73755 82532 92503 92509 29519* 55870* 56015* 92524*
horses 63159* 72405* 72408*
Hymenoptera 73776 81966*
insects 29245*
Isoptera 5645*
Lepidoptera 5396 5467 5483 5536 5544 55977 64649 82712 82800 82805 92584 29736* 38513* 82664* 82798*
livestock 19516 53756 3159* 27387* 36285*
minks 54590*
Neuroptera 5587 29788*
Orthoptera 38526* 47208* 82836*
poultry 11955 36986 72562 72705 72741 80705 91371 91450 11995* 72666* 80924*
quail 46052
rabbits 28394 12057*
sheep 54454*
Siphonaptera 5610*
swine 28713* 37405*
Thysanoptera 5598
Seychelles Dept of Agriculture 8002

SG-68 SEE Silica gels
Shade trees 1796 1829 4756 69831 60739*
anatomy and physiology 68595
California 34704
care 9745 89030
conferences and congresses 69856
culture 25759 89110 9755* 69890*
diseases 50190
fertilizers 61446
injuries 8355 89048
irrigation 2443
legal aspects 89053
pest control 46648
pruning 89048 89110
spraying and dusting 33081 64934
varieties 17441 25759
Shades State Park (Indiana) 76908

Shaft louse SEE Menopon gallinae
Shagbark hickory SEE Carya ovata
Shale 44126
Shallots 20726* 51398*
Shallu 33786
Shantz H L 32555
Share farming 76166 94354 23287*
Australia 49257 76176
France 32004*

Item

Share farming--Cont
Italy 7586* 31940* 40599* 40600* 49218* 49259* 49373* 57687* 76079* 85492* 85510*
legal aspects 23391* 40606*
Netherlands 15095*
New Zealand 57966
Sardinia 85475*
Sudan 76132*
Sharigol 46406
Sharkey soils 43890
Sharp L W 76706
Shea butterseed SEE Butyrospermum parki
Sheath rot SEE Posthitis
Sheds 21706 21712* 21713* 47563* 56271* 71479* 74284*

Sheep
abnormalities 46101*
adaptation 46163 28414* 63402* 91628*
advisory services 63543
age 28499 37218 54918 63438 81089 91711 4132* 54935* 63498* 72786* 72866* 91702*
anatomy and physiology 4045 4052 4104 12129 12139 20364 27701 28470 36345 91726 4048* 4068* 12069* 20328* 28489* 46142* 72850* 81036* 81141* 91738*
Argentina 91637* 91746*
associations 12167 20431 46165
Australia 28539*
breeding 4070 12085 20324 54877 81081 4063* 91628* 91723*
Alabama 12084
Albania 63397 28411*
Australia 4046 4071 12064 54891 63387 91649
Belgium 90796*
Bulgaria 28432* 72799*
Canada 4053
effects of age 4057 63404*
effects of disease 4052 81086
effects of feeding 12096 12097 12106 37168 54897 72804 81000 81013 91648 91651 91672 54888* 63428* 72812* 91664*
Germany 4037* 12065* 72801*
East Germany 12059* 28415* 80956*
Great Britain 4044 4073 28425 80959
history 54887 91637*
Hungary 20333* 46100*
hybridization 4028 4043 28420 20332* 91681*
Bulgaria 54881*
Czechoslovakia 72771* 91622* 91623* 91635*
Great Britain 80985
Hungary 28429*
New Zealand 72770
Poland 72794*
Rumania 80979* 91640* 91641* 91643*
Sweden 63413*
USSR 4029* 4048* 12060* 28407* 28413* 28418* 28421* 28430* 28451* 46106* 63399* 63414* 72772* 72783* 80973* 91624* 91627*
Yugoslavia 54882 4030* 12075* 28427* 72787*

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Item

Sheep--Cont
breeding--cont
Italy 12072*
Japan 28419
Kenya 37168
linebreeding 63559*
Netherlands 28426
New Zealand 4039 37175 63393 91626
Northern Ireland 37182
Norway 12066* 46098*
Oklahoma 71684
Poland 72778* 72795* 72798* 91633*
Republic of South Africa 4040 4055 28408 80966
research
statistical methods 12086
Rumania 80960* 91644*
Scotland 46103
seasonal 28417 54889 91649 91644*
Southwest Africa 72790*
Spain 54873* 54879* 63405*
Sweden 46109*
USSR 4068* 12061* 12076* 12080* 37169* 54883* 54886* 63388* 63402* 71622* 72782* 72784* 80971* 91630* 91645*
Venezuela 3021*
Wisconsin 72773
Yugoslavia 4061* 63402*
breeds 4058 28424 28425 37173 62273 3021* 4054* 4068* 63507* 80973* 80982*
Altai 80993*
Altamura 72789*
Aragon 54923*
Arkhar (Kirgizia) 28430*
Arles Merino 4030* 20332*
Askanian Rambouillet 65411* 72782*
Australian Merino 4104 4149 12064 12107 12139 20326 20345 28443 46108 54890 63389 63406 63495 80962 80983 91646 91649 91667
Azerbaijan Mountain Merino 4048* 28489*
Bergamo 20319*
Bikaneri 12071
Blackface 72821
Blackhead Persian 46113
Border Leicester 72770 12075*
Caucasian Rambouillet 80971*
Cheviot 46097 63393 91635*
Churro 54876* 91620*
Coarse-wooled 72772* 91645*
Columbia 4028
Corriedale 4028 4155 28419
Corsican 54884*
Dagestan Mountain 12102* 63453* 63508*
Debouillet 4051
Dorper 46163 80963 80966
Dorset Horn 63412
Fine-wooled 20349* 54883* 63394* 63410* 63421* 63504* 65411* 72772* 72799* 91627* 91645* 91650* 91661*
Gedek 63399*
Grozny 54886*

Item

Sheep--Cont
breeds--cont
Hampshire Down 4028 91635*
Hanyang 46105*
Hissar 63453 63452* 63505* 63533*
Ile-de-France 24829*
Improved Apulian 72789*
Karachaev 72788*
Karadolakh 91700*
Karakul 63409 84547* 4049* 12070* 12114* 28430* 28507* 37169* 37176* 37183* 37185* 54873* 63402* 63404* 63405* 63414* 72790* 72792* 72811* 72813* 72837* 72864* 80957* 91630* 91725* 93881*
Kent or Romney Marsh 4073 20335 28414 72778*
Khakass Fine-wooled 20318*
Krivovir 72786* 72787*
Leszczynska 72794*
Lincoln Longwool 91624*
Mancha 54879*
Merino 6519 12073 12119 15385 54882 54887 56914 65583 80978 4034* 4037* 4064* 28412* 37177* 46098* 54971* 63399* 67082* 72778* 72787* 80964* 81141* 91637* 91643* 91644*
Mutton Merino 12059* 28412*
New Zealand Romney Marsh 4033 4104 12112 28545 46097 63393 72833 91726
Palas Merino 91632*
Pirot 20332*
Polish Merino 72781* 72794* 72798* 80986*
Polish Zackel 91633*
Polled Merino 4040 46099
Prealpes du Sud 63429* 80981*
Précoce 12069* 63482*
Rambouillet 37181
Romanov 12080* 12158* 20401* 63494*
Romnelet 37178
Salsk Finewool 12061* 12063*
Sardinian 80974* 80989* 80990* 80992*
Scottish Blackface 80976 80985 81024
Semi-Fine-wooled 37204* 63504* 72772*
Shirazi 28413* 91640*
Shropshire 37218 81123
Sjenica 72786* 72787*
South African Merino 4055 4065 6867 65599 80967 84591
South Australian Merino 4045 12067
Southdown 12119
Soviet Merino 12061* 63439* 63452* 63453* 63482* 63508* 63533*
Spanca 91631*
Stavropol Merino 72785* 91647*
Suffolk 4028 12066* 91623*
Sumava 63414*
Sur 54891
Tasmanian Merino 46101* 72771*
Texel 72785* 80960* 80979* 91641*
Transylvanian Merino

Item

Sheep--Cont
breeds--cont
Tsigai 4061* 12076* 28409* 28418* 28429* 72778* 72783* 80979* 80988* 91622* 91623* 91632* 91641* 91643* 91664*
Turcana 72785* 91632* 91640* 91641*
Valachian 20328* 72771* 91622* 91634* 91635*
Vyatka 63427* 63441* 63494*
Welsh Mountain 80961
White Klementina 63472*
Wiltshire Horn 80985
Wurttemberg Merino 54881* 91638*
Zackel 4030* 63400* 72778*
carcasses
analysis and composition 4131 14340 84622 91671
contests 14383
grading and standardization 14371 14395
judging 22616 22619
quality 4124 28517 37218
weight and measurement 31281 12155*
yields 6959 72895
care 20043 28543 63088 81004 81135 28538* 37284*
Canada 37290
Germany
East Germany 80956*
Great Britain 4165
mountain areas 63544* 63546*
New Zealand 72363
Northern Ireland 46137
Norway 54979*
Oklahoma 37283
Republic of South Africa 46163 81142
seasonal 4159 4161 28544 46124 47537
Spain 20429* 63548* 63549*
China 81148
color 37169* 63414* 91630*
conferences and congresses 46165
contests 12168 28541 72895 81139
costs and returns 40681
Denmark 66748*
Germany 76164*
Great Britain 7676 66741 85576 85655
New Zealand 94377
Norway 32053*
Scotland 23342 32048 40676 76121
USSR 66651* 76222*
Utah 7668
Wyoming 7679 85657 85658
culling 4166 28535 28540 54878 72777 80972 63546*
cytology 20409 91665
deficiency diseases 54947 81023 54899*
desert areas 46143*
digestion 3587 20348 20412 37147 62714 63460 63538 91694 91708 28484* 28495* 54958* 72862* 80998* 81067* 81082* 91687* 91703*
dipping 4484 12401 20638 28858 28869 28870 54950 81578

Item

Sheep--Cont
dipping--cont
equipment 56102*
diseases 20359 63512 81125 91733
control 28464 46137 72844 81058 72875*
prevention 91698
study and teaching 72826*
treatment 54932 72844 81058
embryos 63475 37289*
anatomy and physiology 20368 28478 81113 63452* 72837* 81079*
diseases 28521 28524
growth 12114* 63533*
mortality 4099
estrus 20394 28493 37264 54959 63476 81093 91649 91667 54940* 63400* 72786* 81080*
farms and ranches
Hungary 4113 20416*
management 28464 37181
Germany 14956* 76164*
East Germany 63551* 81016*
Great Britain 26965 85576 91744
Iowa 40628
Ireland 28502
Kansas 46164
Middle Western States 4167
New Zealand 57918 81149 94352 94392
Scotland 76121
Spain 46114* 54982*
USSR 7625* 28536* 31915* 57909* 66651* 76085* 76146*
Wyoming 7627
Netherlands 28426
New Zealand 88528
Poland 80986*
feed relationships 4080 12099 20338 28434 28440 28446 37200 28438* 37206* 72811*
feeding and nutrition 4081 4092 11468 12090 20324 27773 28444 28446 28525 37147 40030 46115 54889 54894 62714 63426 63431 63511 72853 81002 81005 81048 91694 28449* 28495* 37180* 37196* 54199* 63539* 71983* 72803* 72807* 80996* 81003* 91655* 91687*
Alabama 12084
Algeria 12087*
Australia 12105 20345
Bulgaria 63420* 63423*
Colorado 3056
costs 4085 11489 66741 63430*
Czechoslovakia 46116*
deficiencies 4086 20353 37272 46125 72003 72802 91653 91691
equipment 38851 56111
Estonia 63428*
feedlot 19746 22596 54895 91652 3368* 4089*
France 12089*
Great Britain 20342 27701
Hungary 28442* 72805*
Illinois 36165

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Item

Sheep--Cont
feeding and nutrition--cont
in pregnancy 91672 91682 91683
India 91656
New Zealand 20351 28434 28440 37175 69626
Norway 37199*
Oklahoma 71684
Oregon 54905
pasture and range 1597 1628 4083 4091 4094 12093 12097 12150 20366 27602 28498 37198 37252 72806 80198 1571* 37220* 91037*
Australia 4082 20339 28448 54902 77477 81022 88542 88610
Canada 13060
desert areas 72850*
Germany 72814*
East Germany 54898* 63422*
Great Britain 681 1603 81009
Hungary 91654*
India 17145
Japan 9491*
New Zealand 1566 4095 54896 72878 91671
Northern Ireland 43250 81011
Oregon 26982
Poland 81012*
Republic of South Africa 4078
Scotland 43243 80976
Sweden 4090*
USSR 20336* 25473* 74379* 91600* 91700* 91705*
Utah 12100
Wyoming 7679 50597
Poland 91668* 91669*
Republic of South Africa 4077 12092 72815*
research
statistical methods 63460
seasonal 12093 54898* 91654*
Australia 63495 80999 91667
Great Britain 28445
Republic of South Africa 4093
Scotland 46124
South Dakota 11489
Sweden 4090* 46118*
South Dakota 3338
Spain 20429* 28447* 63430* 63549*
USSR 12091* 28438* 28439* 28451* 54158* 54900* 55109* 63418* 63419* 72813* 90570* 91657* 91661* 91670*
United Arab Republic 81008
fertility 4052 12064 12085 46107 72774 80969 80984 91636 91648 91651 4036* 12065* 12074* 28428* 54888* 63400* 72767* 72780* 72792* 80993* 91625* 91644* 91690*
flockbooks 20330 63387
Australian Merino 54874
Border Leicester 72796
Cheviot 4035 80958
Corriedale 4027 91621
Dorset Down 63395
Dorset Horn 37171

Item

Sheep--Cont
flockbooks--cont
Estonian Blackheaded 37172*
Kerry Hill 4047
New Zealand Romney Marsh 4060
Oxford Down 46104
Polwarth 12077
Ryeland 4062
Shropshire 4066
South Devon 20334
Southdown 80987
Suffolk 91642
Welsh Mountain 37187
France 72893*
fur production 63409 4049* 37185* 72778* 80957*
genetics 28419 28537 37174 37179 37181 54890 80961 80962 37185* 46101* 63414* 63559* 72798* 91647*
Great Britain 91743 54983*
growth 28517 37203 54895 54896 63425 81008 81082 91719 4048* 37220* 54922* 63410* 63439* 63505* 72771*
habits and behavior 20345
history 28546 57235 28538* 54981* 72795*
housing 28532 30060
designs and specifications 56298
Germany 74304*
Great Britain 21706 47537
Norway 30045* 38818*
Spain 54982*
temperature 38807*
USSR 4048* 21714*
identification 4072 4163 4164 4166 54986 37287*
illustrations 4162
immunization 4156
industry 90770
Algeria 84587*
Australia 4157 6888*
Canada 31226 84582
Czechoslovakia 75385*
Great Britain 84582 91749
India 81138
Missouri 45388 79978
Nebraska 4160
Oregon 12172
Republic of South Africa 84547 84580 84591 84596
Spain 54876*
USSR 31224* 72838* 91752*
Wyoming 84585 85657 85658
infectious diseases 91732 45315* 46154* 54919* 91717*
injuries 20395 54937 37235* 54930*
judging 12063* 72797* 72896*
labor 4085
lactation 12093 12096 79794 91653 91682 91683 12091* 28447* 72819* 91650*
losses 12105 14440 93844 36674*
meat production 39891 20428*
Belgium 90796*
effects of age 91700*
effects of breeding 28420 54890 4050* 28428* 72797*
Czechoslovakia 91634*

Item

Sheep--Cont
meat production--cont
effects of breeding--cont
Germany 28416*
Hungary 4064*
Republic of South Africa 80963
USSR 28409* 80973*
effects of disease 72877*
effects of feeding 46121 54908 72050 28437* 72812*
Hungary 46119*
Italy 37189*
USSR 28409* 80973*
Germany 14956*
Great Britain 28537
Spain 91741*
USSR 7625* 28536*
metabolism 4081 4100 4136 4471 12090 12113 12118 12149 27760 37272 46097 46126 46145 54914 55062 62514 63491 63495 63514—63516 81015 81073 81129 20382* 55109* 63462* 72205* 72817* 91685*
milk production 81004 11438*
Czechoslovakia 81147*
effects of breeding 4030* 54884* 72776* 80981* 91622*
Czechoslovakia 91635*
Hungary 4064*
Italy 72789*
Scotland 80976
USSR 28418*
effects of disease 37257* 46154*
effects of feeding 91663*
France 72892*
milking 83013*
multiple births 54877 91646 81079*
New Zealand 91740 91747
ovulation 63518
parasites 12165 37210 46147 54946 63489 81056
control 12421 28491 54914 46148* 72875*
Sicily 36584*
Spain 46154*
parturition 4122 12107 12146 20367 28408 28417 28548 54889 54934 56298 12142* 28428* 45247* 54979* 81016*
pelting 48712
pest control 4484 12417 28858 81483 92033 92046
Australia 4593 28842 63817 81578
Germany 81454*
Idaho 46403
New Zealand 20628 28869 92004
tests 4509
Texas 73141
USSR 63812 55338* 63813* 73173*
pest resistance 37574
pests 4121 12784 55285 81561 81599 63824* 73571*
Australia 28830 73135
India 12384
Japan 37554
New Zealand 92053
USSR 4538* 20682* 63843*
poisoning 4471 12111 12141 12150 12151 12154 27895 28452

Item

Sheep--Cont
poisoning--cont
28457 37241 37244 46129 54968 63456 63496 81026 81063 81094 81112 91692 91709 6948* 27727* 28490* 46149* 63539* 72869* 81061* 81062*
policies and programs 93775 84578*
pregnancy 4099 4136 28521 37240 47537 63511 79905 91653 91682 91683 12166* 28447* 37271* 72856* 72872*
products 81138
Pyrenees 37284* 72893*
records and testing 4051 28537 91743 4032* 37291* 54978*
reflexes 72819*
respiration 20363 46130
respiratory diseases 91705*
sanitation 63525* 91729* 91730*
selection 4042 4046 4074 12081 12082 12083 12086 37178 54878 80965 80972 91646 91678 4032* 4059* 46095* 72776* 91620*
shearing 4162 4168 20363 63462* 72779* 72841* 81145*
Australia 63495 91739
equipment 47319 64819 13178* 92737*
New Zealand 91750
structures 56283
USSR 28542* 63421*
shelters 13186 47562 74299 74271*
situation and outlook 39887 39891 65969 84570 93800
Canada 57237
Europe 57233
Germany 30784*
Italy 48603* 84584* 93795*
New Zealand 6882
Poland 80986*
Texas 31228
USSR 37292*
slaughtering 4124 46162 12115* 62952* 81137*
statistics 40030 48733 31326*
Australia 84764
Canada 31325 57237
Germany 66095*
India 84766
New Zealand 7023
study and teaching 14337
subsidies 84587*
surgery 12132*
temperature 12099 12112 20367 27773 28455 37186 46127 81134 63462*
trade 15385
transhumance 20417*
72889* 81049* 91700*
transportation 6927 6943 93844
types 28424 62273 4050* 4059* 4063* 4087* 4132* 20343* 20426* 28409* 28507* 31915* 54881* 72799* 72896* 80964* 81036*
Uruguay 54985*
virus diseases 12129
reviews 20375*
watering 12099 12101 81106 81134 47328* 56104* 81007*

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Item

Sheep--Cont
weight and measurement
12097 13188 28440
28499 63547 80961
91648 91671 12069*
20328* 20332* 72815*
72872* 80964* 91638*
wild 28407* 28413* 28421*
wool production 4074
4140 4166 20409
28545 37288 72890
81146 91742 91745
93503 37289* 81141*
Australia 28535 37286
Czechoslovakia 28412*
effects of age 72787*
72865* 72867*
effects of breeding 4042
4065 12078 12079
12081 20326 20335
54875 54890 80985
20332* 28412* 37177*
63394* 72785* 72791*
72797* 80974* 80982*
80988* 80989* 80990*
80991* 80992* 91638*
91644*
Australia 4045
54880 63389 80962
80965 80972
Czechoslovakia 91647*
Great Britain 80961
Hungary 4064* 72800*
80977*
India 12071
Ireland 80994
New Zealand 72777
Republic of South Africa 80978
Rumania 91631*
91632* 91643*
USSR 20318* 28418*
28507* 63399* 72772*
72783*
Yugoslavia 72787*
effects of drugs 72842
effects of feeding 12097
20353 37203 91665
4087* 20349* 20350*
54930* 63421* 72808*
Australia 63424
USSR 12102* 37193*
effects of light 72852*
effects of shearing 20332*
20426*
effects of temperature 12170
Germany
East Germany 81143*
91748*
research
statistical methods 63547
seasonal 20430
Texas 80984
USSR 7625* 28536*
Wyoming 54885
SEE ALSO Dual-purpose sheep; Lambs; Rams; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Sheep biting louse SEE Bovicola ovis
Sheep bot fly SEE Oestrus ovis
Sheep chutes 29898
Sheep ked SEE Melophagus ovinus
Sheep pox 12129 91720*
vaccines 20405 63444
63488*
virus 20371* 28494* 37265*
54920* 63534*
Sheepfarming Annual 91747
Sheep's milk 28443

Item

Sheep's milk--Cont
analysis and composition
12137 6221* 11438*
39284* 65411* 72776*
74728*
coagulation 39362*
feed 80976 81004 63427*
63429* 91463*
proteins 93323*
whey 91463*
Sheep's milk cheese 30663
46154* 48048* 65427*
83916* 93303*
Shelterbelts SEE Windbreaks
Shenandoah National Park 2783
Shepard P H 32563
Shepherds 57741*
Sherry 74633 6153* 13652*
Shifting cultivation
bibliographies 7704
Borneo 15145
India 23424
Philippines 32120 58099
Tropics 7714 18019
SEE ALSO Forests, and agriculture
Shigella equirulis SEE Actinobacillus equuli
Shigella flexneri 20116
Shikimic acid 51577
42999* 51458*
Shimba Hills Settlement Scheme (Kenya) 85674
Shinjia pteridifoliae 92518*
Shinnery oak SEE Quercus havardii
Shipping fever 3489 27692
54310 62781 90988
36632* 45641*
Africa 27830*
buffaloes 27692 45648
62727
causes 62741 80459
27830* 54379*
immunization 27718* 71847*
80224*
Poland 71828*
prevention 45667 62948*
treatment 11584*
Uganda 91133
USSR 19785*
vaccines 3488 62727
11655* 80224*
virus 3486
Ships 55583 81858 46626*
53186* 53584*
Shiuyinghua n g 50063
Shivaphis celticola 29546*
Shock 19435 71735*
cattle 54450*
dogs 19998 28049 45744
poultry 54785
SEE ALSO Anaphylactic shock
Shope virus 4020* 80938*
Shorea 11106 53724 71491
90253 71608*
Shorea curtisii 44743
Shorea glauca 53249
Shorea lumutensis 53250
Shorea macroptera 18830
Shorea negrosensis 53710
Shorea ovata 44743
Shorea platyclados 44743
Shorea polysperma 53710
Shorea robusta 969 18758
42119 61882
Shorea talura 38320 41409
Short waves 16798
Shortleaf pine SEE Pinus echinata
Shoshone National Forest 79408 88513
Shot hole fruit 15996 24311
Shoulders 63540*
Shows 49849*
SEE ALSO Fairs; and UNDER specific subjects

Item

Shrews 92331 55340*
Shrubs
anatomy and physiology
1026* 1228* 34185*
42679* 59391* 59982*
60022* 60142* 69107*
breeding 1816*
California 78107
Canada 177
culture 17418 17481
Belgium 17417*
France 1772*
Netherlands 42073*
Norway 34756* 43570*
60748* 60758* 60852*
USSR 44727* 60796*
69890* 71107*
defoliation 1026*
diseases 86686
ecology 8682* 8700* 87195*
espalier 17543
fertilizers 44182 44857
61375
fungus diseases 8449
15984 24349*
hardiness 9145* 69017*
identification 86444
India 50800
injuries 41584 41636*
introduction 8255*
Italy 34795*
Japan 15760*
morphology 59391*
nematodes 24484
Ohio 15721
Oregon 86444
Paraguay 67478*
pest control 46609 46662
86686 73324*
pests 73325
planting 60835 43466*
43510* 60798*
Poland 32744*
pollen 24952*
propagation 10785 43561
1770* 1773* 43514*
89073* 89101*
by cuttings 61902 1761*
1768* 1771* 34184*
34185*
by grafting and budding 1759*
by layering 17498
pruning 1827 17481 34727
17475*
Georgia 9769
Hawaii 17421
Idaho 43503
Japan 17419
Texas 17430
seeds 71261 43510*
Southern States 76936
Tropics 50162
USSR 1784* 26835* 41348*
43460* 58663* 60757*
60814* 67406* 69858*
69863* 69885* 88995*
varieties 9726 34728
43508 89106 43570*
Belgium 34714*
Canada 34775 34782
Finland 17533*
France 43483*
Massachusetts 9751
Norway 34756* 60748*
60758* 60852*
Pacific Northwest 69853
Southern States 1782
USSR 17433* 60840*
Washington 25785 88996
Virginia 86417
Washington 86444
weed control 25888 70025
Shuiskii L P 94921*
Sialic acids 93294 36549*
54255* 80528*
Sialidae 21491*
Sialis fuliginosa 21491*
Sialis nigripes 21491*

Item

Siberian fir SEE Abies sibirica
Siberian stone pine SEE Pinus cembra sibirica
Sibine barbara 5342*
Sickles 29946
Sicyos angulatus 25113
Sideoats grama SEE Bouteloua curtipendula
Siderocelis 15834*
Siderocelis nana 32918*
Sierolomorpha 29584
Sierozem soils 89609 26130*
USSR 18211 78400
17886* 26334* 35213*
43921* 43931* 44032*
52521* 61235* 78759*
Sierra Leone Dept of Agriculture 8003
Sierra Leone Forest Admin 18702
Sierra Leone Produce Marketing Board 5983
Sierra Leone Surveys and Lands Dept 85585
Sierra National Forest 26959
Sieswerda C 49834*
Sieva beans 8860*
Sigara 38308
Sigara atomaria 64491
Sigara cantralli 38303
Sigatoka
bananas 361 384
385 464 470
41839 77112 86892
Siimon A M 8065*
Sikimpaza n g 12813*
Silage 1580 62313
36174*
alfalfa 3406 79727*
nutritive value 19772
71651*
preparation 27267 90553
19383* 36177* 71701*
quality 36186
analysis and composition
6420 13904 22132
54677 71692 11181*
36188* 48144* 48145*
55036* 62317* 62331*
65578* 74912*
and insects 46386
bacteria 71672 11181*
62303*-62305* 71701*
barley 36177*
beet tops 3072* 7426*
27245* 36211* 40391*
79663*
beets 5785* 36178* 79663*
blood 28592*
bran 36178*
broadbeans 90561*
Bulgaria 54718* 72047*
cabbage 77952*
Cactaceae 79664
care and handling 13393
27233 29968 38724*
47275*
carrots 80780*
chemistry 62307 71672
45232* 71701*
clover 15113* 19383*
contamination 45367* 90559*
corn 4221 9464
25294 29891 34391
52995 54145 54189
54215 54216 79715
88309 4089* 11187*
17037* 19656* 25390*
34378* 37204* 38633*
43078* 45214* 53772*
54199* 54238* 62646*
62647* 63418* 63419*
63428* 71666* 80142*
80166* 80181* 90917*
91661*
analysis and composition
65569 30741*
Austria 88435*

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Item

Silage--Cont
corn--cont
Czechoslovakia 34438*
Germany 1502*
East Germany 88438*
Hungary 17051* 25296*
Netherlands 88315*
nutritive value 3338 3362 3364 3616 19693 19720 28610 45474 45494 27299* 27630* 28423* 28439* 28599* 28600* 36161* 36486* 45212* 45472* 45497* 45521* 55005* 62329* 71696* 71707* 71708* 72001* 72805* 72807* 80187*
preparation 3362 3364 3051* 11190* 11194* 19393* 19403* 27230* 27236* 27241* 27284* 27293* 27300* 36161* 36196* 45200* 45212* 45500* 53811* 55142* 71707* 71983* 80192* 83268* 83277* 90509* 90561*
proteins 27284* 55015* 62330* 69623* 79733*
USSR 11533* 27294* 30090* 88395* 90956*
corncobs 20465* 27273* 27289* 71644*
cornstalks 27240* 36178* 45524*
costs and returns 13283 76258 76268 15113* 58034*
crimson clover 11518
Cynodon dactylon 19730
Czechoslovakia 90531*
Dactylis glomerata 1564
digestibility 11468
equipment 5716 5725 5789 57748*
feed 3335 45503 83011 27659* 29885* 36191* 36193* 45218* 45224* 54160* 62705* 65525* 65539* 79726* 80148*
fish 81185 46181*
flavor and odor 62967
France 62287*
Germany 49265*
grain 1508 80113 19399* 71663*
grass 11192 12090 36497 45526* 62292* 71705*
analysis and composition 48142 65569
Denmark 45507*
Germany 15113* 79716* 90526*
Netherlands 13389*
nutritive value 72017 36201*
preparation 3074 3382 11165 19378 19415 27242 27605 45501 62293 71672 79710 3044* 5785* 11160* 11171* 19404* 19420* 79701* 90528* 90532* 92879*
hay meal 36178*
Hungary 91654*
judging 48147*
labor 7426* 23106* 40391* 57748* 79687*
legumes 19415 27294* 71666* 79645*
loading equipment 74336 83276 29874* 73980*
Lolium 1546 11518
losses 8929 19416 83128 65578* 92994*
Malva 45214*

Item

Silage--Cont
Mexico 90953*
microorganisms 975 62308
moisture 11823 13386
nutritive value 3316 3361 11482 11498 11501 12105 19380 19750 20342 27678 36165 45211 45502 71677 72042 72064 11167* 11526* 11539* 12091* 19690* 27592* 27663* 28438* 36209* 36712* 45493* 45496* 45516* 62317* 62651* 72808* 79660* 90952* 91670*
oats 11468 19772 72039 79687*
palatability 19380
pea vines 79727* 80174* 90956*
Phragmites 79662*
preparation 3047 3059 3060 3075 5795 11206 11498 11518 11823 13386 19409 36186 53780 53785 53797 53798 54241 54677 62307 62310 71655 11167* 36173* 36193* 36194* 36202* 45196* 45215* 45224* 45232* 53784* 53811* 62277* 62303* 62317* 62318* 62331* 71636* 71667* 79651*
Algeria 79644*
Angola 53790*
Australia 72032
Belgium 32487*
cooperatives 19378
Czechoslovakia 79696*
Denmark 19413*
equipment 5783 13207* 29960* 79651*
Czechoslovakia 56205*
Germany 64900* 74141* 74146* 74163*
Great Britain 64907
Japan 38714*
Sweden 83125*
Switzerland 92905*
USSR 92845*
France 25460* 36171* 62283* 90549* 90550*
Georgia 72042
Germany 57748* 66658* 71654* 71674* 71703* 79685* 79734*
East Germany 36187* 36196*
Great Britain 3031
hazards and safeguards 3213
Hungary 27291* 28609* 29965*
Iceland 79722*
Mozambique 77937*
New Zealand 71671 92869
Northern Ireland 79655
Poland 90527* 90543*
reviews 62312*
Scotland 11179
Sweden 11207*
Switzerland 11169* 71657*
USSR 3063* 11211* 12195* 36160* 36163* 36204* 62314* 79643* 79652* 90516*
preservatives 11177 11206 11468 19380 19415 27267 45217 45227 45474 11190* 27230* 71651* 71701* 79721*
proteins 62277*
pumpkins 36178*

Item

Silage--Cont
quality 3075 11177 11511 13904 36505 45484 62310 72032 79700 11164* 45526* 48145* 71667* 79701*
red clover 90551*
Rumania 70615*
Scotland 19698
sorgho 69496* 69629*
sorghum 3322 9474 17187 19691 54145 62694
nutritive value 3338 19720 45514 72046
Sorghum vulgare sudanense 11518
soybeans 45497* 69623* 80192* 90561*
spoilage 36905*
straw 3051* 19393* 27293* 27300*
sugar beets 11160* 45472* 79673* 79721* 80168* 90945*
Sweden 77941* 80123* 90533*
transportation 83125*
USSR 79682* 91657*
vitamins 83982*
waste 38848
wheat 80207*
Silage juice 54907*
Silbersiepe E 15531* 32521*
Silcox F A 8020
Silene 8826
Silene alexeji 15786*
Silene dichotoma 67448*
Silene helleboriflora 41381
Silene pendula 59500*
Silenoideae 41365*
Silica
effects on plants 77735*
in feed 53769
in fiber processing 22236*
in plants 24965 81048
in ruminant physiology 79904*
in soils 43954 89480 89511 78395*
in water 18583
Silica gels 92213*
Silicates 17991 68554
Silicic acid 7972 61124 89482*
Silicobacterin 18054* 61240* 61329*
Silicon
determination 44510 65080
effects on algae 51174
in plants 51217 51432 12490* 51051*
in soils 52602*
in textile industry 39547
Silicon dioxide SEE Silica
Silicones 65080 84017 84048* 90569*
Silk
analysis and composition 6575 22198 65646* 74938*
defects 73475
discoloration 75011*
industry 30770 39507 48265 65629 64217*
legislation 7524
marketing 22271*
prices 74998 75008
processing 48264 74983*
properties 48206 84051 6578* 74938*
proteins 37932* 37941* 56877* 64210* 74994*
quality 82025*
reeling 82054 20982* 20993* 73470*
scouring 22280*

Item

Silk--Cont
situation and outlook 48263 75012
statistics 82054 84109
trade 73491*
waste 74983*
SEE ALSO Sericulture
Silk fibroin SEE Fibroin
Silk glands 29226 37921 37922 46720 55627 73475 73492 82027 82046 4842* 37914* 37936* 46702* 46723* 64206* 82025* 82060* 92293*
Silkoak SEE Grevillea robusta
Silktree Acacia SEE Albizzia julibrissin
Silkworms 13001 20995 46727 37940* 64206*
SEE ALSO Antheraea pernyi; Bombyx mori
Silky ant SEE Formica fusca
Silo 21492
Silo covers 11169* 36194*
Silo filler's disease 7792
Silos 74334
bunker 21732 83273 90921 11211* 79643* 83277* 93000*
concrete 38849 74344
conferences and congresses 5878 74342
construction 5872 5875 5876 5879 5882 11511 38848 65026 93001 5881*
reviews 74339*
costs 45218* 79643*
designs and specifications 65026
equipment 74336 30086* 83280*
Germany 21736*
history 74337
plastic 64900* 74338* 92995*
regulation and inspection 5877
tower 13386 38849 38850 56315 74335 74344 5785* 11160* 30084* 30089* 38845* 47589*
trench 30086* 30090* 92995*
types 36505 74008* 92994*
Germany 5874* 13390* 62292* 74346* 92998*
Netherlands 13389* 92999*
Rumania 83268*
Scotland 65026
Sweden 47588*
Texas 13393
USSR 65029*
Uruguay 47593*
Siloxanes 83999
Silphidae 73602
Silphium perfoliatum 86433
Silt SEE Sedimentation
Silvanidae 12824 29348 55717 92217
Silver fir SEE Abies alba
Silver maple SEE Acer saccharinum
Silver nitrate 20680 33599 69223
Silver scurf
potatoes 33300*
Silver top
grasses 12473
Silverfish SEE Lepisma saccharina
Silverleaf nightshade SEE Solanum eleagnifolium
Silvex 43735 43739 60951 70055 79248

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Item

Silvicultural Conference 53295
Silviculture 10670 26829 35721 53254 53257 61812 61851 71017 71095 61855*
advisory services 26759*
Alaska 53291
Amazon Basin 10767
Appalachian Mountains 53277
Austria 35746* 35752*
Bulgaria 10671*
California 53252
Canada 26802 79210
Central States 53260
conferences and congresses 71086*
Czechoslovakia 26837* 67706* 71078* 71091* 71127* 79091*
Denmark 44634* 44648*
equipment 2663* 71188* 79258*
Estonia 61831
Finland 18832* 53266*
France 90168*
Germany 2666* 18873* 26754* 26816* 26819* 53289* 53302* 71106* 71146* 79229*
East Germany 61695* 61827* 71084* 90170*
Great Britain 90062 90124 90127 90132
history 61695*
Hungary 35743*
India 44733 61815
Indiana 79243
Ireland 79218
Italy 79194* 90136*
Lake States 53269
Mediterranean area 79287*
Michigan 61755
mountain areas 71101*
Mozambique 49190*
Nigeria 18853
Northeastern States 53253
Northern States 53261
Norway 2653* 44734*
Pacific Northwest 53292
Poland 26817* 71103*
reviews 53264*
Rocky Mountains 53259 53261
Rumania 61837* 90112* 90122*
Southeastern States 53297 79260
Southern States 53271
Sweden 10658* 71092*
Switzerland 35734* 61830*
terminology 10532
Tropics 18839
USSR 2662* 18850* 44886* 53283* 53467* 61833* 61858* 61859* 79397* 90061*
Vietnam 672*
Yugoslavia 61832* 79185* 79188*
SEE ALSO Forestry; Forests; Reforestation; Tree farms; and names and classes of trees
Sim W 86192
Simaroubaceae 50018
Simazine 1329 9869 9921 17665 17774 17826 25202 25888 25892 34949 34967 34978 34979 34991 34997 35016 35036 35046 35149 43755 43805 43831 43836 51460 52169 52237 52281 52306 60937 61105 67982 79296 89273 93715 1064* 1065* 1289* 1290*

Item

Simazine--Cont 1912* 1925* 1930* 1940* 1947* 1959* 8877* 9888* 9893* 16155* 18889* 25931* 35021* 43689* 43700* 43741* 43812* 44813* 47469* 59085* 60945* 60950* 60953* 60957* 60991* 60994* 61002* 61246* 61866* 61873* 68566* 70007* 70009* 70012* 70041* 70053* 70054* 70057* 70058* 70069* 70104* 70362* 79238* 89253* 89288* 89321* 89325* 89326* 89355* 89387*
Similosodus 46817*
Simmondsia chinensis 1783 25967
Simons D 56049*
Simposium agro-pecuário 40612*
Simuliidae
Alaska 46961
anatomy and physiology 38171 73667 29456*
and disease 20624 72586 92435 4579*
Angola 64400*
bites 81447*
Canada 64440
collecting and preserving 21187*
control 81604
Czechoslovakia 5117*
geographic distribution 5081 64465
habits and behavior 64412 64462* 64463*
hosts 5062
Italy 5142* 38230*
larvae 64415 81493
Palearctic Region 55801* 92454* 92455*
predators 92470
Rumania 12897*
Switzerland 82369
taxonomy 46926*
types 46964
USSR 38236* 64435* 82372*
Simulium
anatomy and physiology 37561*
and disease 4521 55274 81595 92005 37561*
Angola 64400*
as pests 4521 38187*
Cameroun 81493
control 46933
ecology 38169
habits and behavior 47233
larvae 46933
Mexico 21180*
Nigeria 55778
parasites 55800
predators 55778
Rhodesia and Nyasaland 38200
Yugoslavia 29484*
Simulium antillarum 21180*
Simulium aureosimile 55274
Simulium damnosum 92005
Simulium dorieri 46926*
Simulium monticola group 46926*
Simulium neavei group 38200
Simulium ornatum 46933
Simulium oviceps 64415
Simulium rugglesi 72586 81595
Sinapis SEE Brassica
Sinapis alba SEE Brassica hirta
Sinapis arvensis SEE Brassica kaber

Item

Sinarundinaria 25723
Sindacato Italiano Veterinari Igienisti 71834*
Sindacato Nazionale Veterinari Dipendenti ed ex Dipendenti dagli Enti Locali 71836*
Sindbis virus 81570
Sinella 5646*
Singapore Chamber of Commerce Rubber Association 94000
Singapore Ministry of Finance Div of Commerce and Industry 44587
Sinicossus 92580*
Sinningia 43560*
Sinoxylon 29356*
Sinoxylon perforans 92357*
Sinoxylon sudanicum 82213
Sintor 46910*
Sintoria n g 82382
Sinusitis
ducks 11930* 28345* 80801*
swine 91853*
turkeys 3955 11969 28317 28323 80806
Sipalia 38090*
Sipalinus squalidus 5001
Sipalus 82217*
Siphocampylus 86447*
Siphona 38212*
Siphona irritans SEE Haematobia irritans
Siphonaphis padi 46415*
Siphonaptera SEE Fleas
Siphonocybe 4936
Siphonophora 4936
Siphula ceratites 77797
Siphulitol 77797
Siphunculata SEE Anoplura
Sires 19516 53748 71627* 90494*
Sirex longicauda 55898
Sirex noctilio 46655 12971*
Siricidae 47110 12971* 82652* 92534*
Sirodotia 24063*
Sirups 12686 6631* 48507* 56326*
Sisal
accounting 75031*
breeding 34460
conferences and congresses 69453*
culture 69473* 77915*
Kenya 1533 9435
Mozambique 69458*
Taiwan 43184
Tanganyika 1533 69486*
industry 13918 84064
processing 65595*
soils 70936*
statistics 75042*
waste 70936*
weed control 1927 34986
Sismondi J C L S de 94903*
Sisymbriopsis n g 15715*
Sisymbrium 15787*
Sisymbrium austriacum 51512
Sisymbrium officinale 51544*
Sisymbrium pyrenaicum 41357
Sisyra 21511
Sisyridae 20610
Siteroptes graminum SEE Pediculoides graminum
Sitka spruce SEE Picea sitchensis
Sitobion equiseti 38301
Sitodrepa paniceum SEE Stenobium paniceum
Sitona 4384 12479 29379 38127 38390 46499* 92102*
Sitona brevicollis SEE Sitona lineellus
Sitona calosus 55742*

Item

Sitona cylindricollis 12485
Sitona decipiens 73590
Sitona lineata 81725
Sitona lineellus 73590
Sitophagus 46855*
Sitophilus 12832
Sitophilus granarius
anatomy and physiology 4719 20863 37787* 64374* 73596*
as pests 73342*
control 4735 81836 37786* 46337* 46558* 55214*
nutrition 64372*
populations 29397* 38143*
Sitophilus linearis 55762*
Sitophilus oryzae
anatomy and physiology 64374* 73596*
as pests 20870
control 37772 37791 55525 55534 81839
larvae 46628*
Nigeria 4602
nutrition 64373*
outbreaks 55458
populations 29397*
Sitophilus oryzae group 5010
Sitophilus sasakii 37774 64361*
beta-Sitosterol 29771 88104 21149*
Sitotroga cerealella 12613 55511* 73356*
Sitticus godlewskii 82183
Situation and outlook 7353 7455 7483 7489 7492 7531 7614 7891 7895 14811 14860—14863 14866 14881 14937 23134 23138 23156 23185 23189 31715 31811 31813 31814 31816 31897 31902 31904 39515 40454—40456 40458 40477 49007 49008 49158 49171 49184 49185 49202 57626 57792 57794 57807 66504 66521 75999 85350 85368 85461 85969 94126 94272 94290 94338 94339 7347* 14834* 31840* 31872* 40482* 40490* 40523* 49112* 57828* 66574* 85397* 94330*
Africa 66586 66606
Alabama 14943
Albania 94268*
Appalachian Mountains 94320
Argentina 57866 66579 23121* 49127*
Australia 7460 7491 14833 14854 14895 31828 32387
Austria 7461* 14820* 66560* 66602*
Belgium 66583* 94307*
bibliographies 49117
Brazil 7453 31867 85422*
Bulgaria 85357
California 57844 57845
Canada 23139 40501 40530 75977 85178 85340 85443 40435*
Ceylon 66514
Chile 7535 66507
China 7506 7532 49198 66538 23216*
Colombia 7553* 94173*
Cook Islands 40431
Cuba 66555*
Czechoslovakia 85451 66599*

*Text of this reference is not in English.

Item

Situation and outlook--Cont
Denmark 7482* 14917* 23166* 32382* 66569* 85381*
developing areas 14859
Ethiopia 49206
Europe 66598 76058 85328 75998* 94149*
European Economic Community 23171 66532* 75986*
Finland 31900 49135 75996 31837*
Florida 40773
France 14888 23220* 31906* 57633* 66516* 76008* 88316* 94310*
Georgia 49122
Germany 23130 31863 49129 76004 14678* 23193* 23225* 31830* 49189* 57852* 57862* 57863* 57872* 66530* 66531* 66533* 66572* 66581* 66582* 66587* 75979* 76013* 76054* 85385* 85418*
East Germany 23130 40423
Ghana 32241
Great Britain 7543— 7545 23210 31905 49123 49180 66595 94341 75981*
Great Plains 14822 14936
Hawaii 7530
Honduras 85351
Hong Kong 31829
Hungary 14931
India 7538 31786 31890 94314 94324
Indiana 85326 94264
Indonesia 57841 14815* 14832* 14837* 14894* 23148* 23162* 31784* 31807* 31821* 31870* 31882* 32323* 40449* 40485* 40487* 40510* 40535* 40732* 49115* 49118* 49152* 49183* 49197* 57806* 57846* 66306* 66520* 76033* 76042* 85173* 85352* 85373* 85426* 85427*
Iowa 31844
Iran 40515
Ireland 40417 57853 85444
Italy 49162 7457* 7529* 7552* 14816* 14832* 14837* 14894* 23148* 23162* 31784* 31807* 31821* 31870* 31882* 32323* 40449* 40485* 40487* 40510* 40535* 40732* 49115* 49118* 49152* 49183* 49197* 57806* 57846* 66306* 66520* 76033* 76042* 85173* 85352* 85373* 85426* 85427*
Japan 31834 31864 49174 14879* 40518*
Kansas 94265
Kentucky 40474
Latin America 40448 85411*
Louisiana 40484 57838 76045
Mediterranean area 85345*
Mexico 57820 7350*
Michigan 76055
Middle Western States 49160
Minnesota 7534 57638
Mississippi 31836
Morocco 40468
Mozambique 49190*
Nebraska 7488
Netherlands 14911*
New York 7475 31797
New Zealand 14891 57876 94445
Ohio 21906 40420 66500
Oklahoma 23119
Oregon 40469 56411
Pakistan 7526 85366
Paraguay 40505
Peru 14902

Item

Situation and outlook--Cont
Philippines 85369 85371
Poland 76062*
Republic of South Africa 57877
Rumania 40498
Sicily 31802* 76043*
South Carolina 7540 14819 14920
Southeastern States 40262
Southern States 40429 49163 57786 66496
Southwestern States 31881
Spain 31854* 49146* 66499* 85348* 85416*
Sudan 76064
Switzerland 23183* 40513* 76020*
Taiwan 23143
Texas 31850 32137
Turkey 57818*
USSR 7465 7522 7548 14817 14940 23128 23129 66575 85447 94302 94321 94339 7472* 14812* 14882* 14907* 14913* 23153* 57859* 66370* 66495* 75991* 76005* 85355* 85395* 85398* 85441* 94269* 94283*
USSR bloc 14856* 94333*
United States 7465 7490 7510 14885 14928 14932 23128 23129 23147 23157 23227 23228 48593 49113 49138 57789 57810 66518 66525 66594 66604 76757 14847*
Uruguay 57840 49167*
Utah 76030
Venezuela 76052*
Virginia 7567 23141
Yugoslavia 23196 85396*
Sium latifolium oil 22721*
Sivola process 11039* 90428*
Six-spotted leafhopper SEE Macrosteles fascifrons
Size (textiles) 22260* 39566*
Sjollema B 49800* 86166* 94892*
Skalozubov N L 15568* 32569*
Skalozubov P A 23809*
Skara Frokontrollanstalten 40151*
Skaraborgs Läns Hushallningssallskap 32509*
Skeletons
cattle 80232
foxes 11801*
mice 28138* 36947*
rats 81218*
sheep 20378 91682 91683 63439* 63533*
swine 28665* 55035* 81218*
turkeys 46057*
Skeletonweed SEE Chondrilla
Skierniewice Poland Instytut Sadownictwa 88847*
Skin 62335 71761*
cats 11749 80533 91262
cattle 3581 11690 19928 45591 19854* 36692* 36694* 45634* 62628* 62771* 62894* 72248*
diseases 27824 45833* 54438* 80297*
diseases 90733 27371* 45302*
dogs
diseases 28019 36833 54552 54568 72342 80552 92008 36796*
treatment 80533 91262 28006* 45779*
grafting 3644 36813 54568 36287*

Item

Skin--Cont
horses 3774 19450 45833
minks 63104
poultry 28350 46382 54761 31472* 80797*
diseases 28312
grafting 3958
rabbits 20316 20317* 20424* 80937*
sheep 20377 20409 91665 12063* 20424* 28507* 63494* 63501* 63504* 63505* 91631* 91643* 91707*
diseases 72880*
grafting 63475
swine 37417
diseases 4283 4284 28680 91889 4266* 12290*
turkeys 14548
SEE ALSO Hides and skins; and SUBHEAD pelting UNDER names of fur-bearing animals
Skin spot
potatoes 50272
Skin test 19446 80241
Skinner's Cotton Trade Directory of the World 30864
Skorkowski E 54660*
Skull 28013 45342 28007* 81337* 91313* 91323*
Skusella n g 12874
Skytanthus acutus 69165*
Slash 10809 10821 10823 53322 71572 79505 89469 19101* 19114* 19302* 27011* 35771* 53326* 71484*
Slash pine SEE Pinus elliottii
Slaughterhouses 45376*
Austria 3231*
Azores 40002*
construction 36377*
designs and specifications 3230
developing areas 54066*
equipment 54054* 62520* 72729* 73046*
France 22593* 22608* 79972*
Germany 27473* 37129* 90782*
Hungary 62521*
Italy 45393* 45395*
labor 75936*
legal aspects 54057* 79965* 79987*
Poland 62507*
regulation and inspection
Austria 54782*
Czechoslovakia 53896* 80436*
Europe 79960*
Germany 71879* 79988* 90791* 90799*
East Germany 36283*
USSR 6981*
sanitation 80666 81270 4287* 19586* 90614* 90788* 90789* 90791* 90799*
Germany 3491* 62524*
Hungary 90781*
Senegal 79753*
Sweden 27498*
taxation 57723*
Turkey 54051*
Slaughtering 45387 54043 79833 3188* 6965* 22610* 36339* 36377* 45304* 45325* 45376*
Alabama 11381
Australia 3222 11378 11379 36368 45384 54049 71874 90780
developing areas 54064

Item

Slaughtering--Cont
equipment 54655*
France 27491* 45391* 75425* 90615*
Germany 36375* 79977*
history 57222*
humane 36376 45344* 62518*
Hungary 62501* 62506* 62520* 90601*
Italy 3198* 84675*
legislation 36371*
occupational diseases 32221 19522* 36328* 80890*
Scotland 62513
Southern States 93846
statistics 93892 93893 66093* 75494*
Switzerland 71883*
Tropics 54053
SEE ALSO UNDER names of animals
Slavery 7375 40193
Slavum 55518
Slicewood 62190
Slide rules 35718*
Slime molds SEE Myxomycetes
Slugs 41612 41626 46607 77053 86687* 86698* 86716*
control 334 41703 58833 67756 81433 86608*
Small Farmer Scheme (Gt Brit) 23235
Small Landholders Acts (Scotland) 7700
Small Reclamation Project Act 70820
Smaller European elm bark beetle SEE Scolytus multistriatus
Smallpox 20310*
Smaragdina 21113
Smarididae 4955 38056
Smaris 38056
SMCA SEE Sodium monochloroacetate
SMDC SEE Vapam
Smicromyrme 5270 21330* 29595*
Smilagenin 54228
Smilax china 59603
Smilax panduriformis 15711*
Sminthurides dentospinalis 21498*
Sminthurides (Spinosella) n sgen 21498*
Smistad I 76705*
Smith E 8057
Smith E C 32551
Smithsonian Institution 8004
Smittia 12874 46923
Smodicini 82294 92376
Smog SEE Air pollution
Smokejumpers SEE Aircraft, in forest fire control
Smokey Bear 2771 53464
Smonitza soils 89470* 89545*
Smut
barley 16012 25303
corn 41731 41867 50318 16058*
grain 58424 41873* 41919*
oats 86870
onions 16034
sugarcane 24321 50261
wheat 393 402 8513 24304 33316 41898 50345 59011 41921*
Smut fungi SEE Ustilaginales
Snails 8354 86720 86687*
and disease 53879
as laboratory animals 27885*
control 331 3122* 27347*

*Text of this reference is not in English.

Item

Snails--Cont
control--cont
Australia 58833
Austria 15879*
biological 4342
Denmark 24176*
Germany 24135*
Israel 15902
Italy 8369*
Netherlands 8329*
reviews 27347*
Sardinia 33109*
Surinam 24124*
parasites 73558
predators 4341
Snakebites 27979 27986*
Snakegourd SEE Trichosanthes
Snakes 12765 19081 64286*
Snapdragon SEE Antirrhinum
Snoqualmie National Forest 61730
Snow 53474 56268 79609 43910* 61302*
Adirondack Mountains 2774
Australia 19054
California 10355 44119 44883 71332
conferences and congresses 53014
Czechoslovakia 89894*
effects of forests 26949 90266*
effects on insects 64625 64625
effects on plants 35798* 43910*
measurement 52967 52992 90327*
surveys 10394 44420 61588
Switzerland 26938* 71297*
USSR 19062 60457* 60472* 60588* 61097* 61623* 70738* 78272* 78957*
Snow mold 50355
alfalfa 16031
grain 86890
grasses 16031 24378 33165 33198 50415
wheat 50415
Snow scale SEE Unaspis citri
Snowdrop SEE Galanthus
Snuff 22909
Soap 75550 93917
Soap K 37567*
Soap and Chemical Specialties Blue Book 55231
Soap Perfumery & Cosmetics Year Book and Buyers' Guide 31412
Social conditions 57731 58092 85813 85814 85856 94624 7734* 85153* 85155*
Alabama 40266
Alps 7342
Arkansas 49424
Asia 85691 85692 85724
California 7361
Canada 66305
conferences and congresses 49428
developing areas 5917
Germany 40274* 75915* 76359* 85143*
Greece 85812
history 40785 57639*
India 57623
Iowa 76354
Italy 23465 15171*
Japan 85472*
Louisiana 23460 53452 57912
Mexico 7355
Mississippi 85140
mountain areas 14669* 22976*

Item

Social conditions--Cont
New York 94593
North Carolina 57717
Portugal 49419*
Texas 32137
USSR 40626*
Venezuela 94278*
West Virginia 58119
SEE ALSO Communities; Cost and standard of living; Health; Rural life
Social insects 4897 92311 37986*
SEE ALSO Ants; Bees; Termites; Wasps
Social organization 7735 7738 7739 15166 49425 76363 85711
Australia 7732
Haiti 40777
history 66886*
India 66890
Israel 94625
Italy 7737
Japan 76366
Netherlands 49422*
Norway 32145
Pacific area 94621
Poland 76062*
Rumania 7687*
SEE ALSO UNDER Indians
Social participation 7732 66888 76437 94629 94630 57980*
Social security 23057 23075 53160 75898 75937 82011 94202
Czechoslovakia 94194*
Great Britain 23084
Italy 14728* 14731* 14733* 23047* 23048* 23051* 23056* 40338* 40340* 40348* 49047* 85248*
Montana 14734
North Carolina 57717
Oklahoma 57716
Spain 14730*
statistics 66420 85253 14737* 66434*
USSR 14738*
SEE ALSO Old-age insurance
Social welfare
Appalachian Mountains 94618
Brazil 94620*
conferences and congresses 32144
directories 66454
France 58117*
Italy 40778* 40781*
policies and programs 85808
Sociedad Cooperativa de Tamberos de la Zona de Rosario 74800*
Sociedad de Agricultores de Colombia 66977*
Sociedad de Medicina Veterinaria (Argentina) 19542*
Sociedad Nacional de Agricultura (Brazil)
Escola de Horticultura "Wenceslao Bello" 94690*
Società Cooperativa Rimboschimento Valle Bova 90034*
Società Italiana di Genetica Agraria 46763*
Società Italiana di Parassitologia 3194*
Società Italiana per il Progresso della Zootecnia 72265*
Società Nazionale Industria Applicazioni Viscosa 65650
Société Anonyme des Producteurs Suisses de Lait 65377*
Société Belgo-Africaine du Kivu 85588*

Item

Société Centrale d'Amenagement Foncier Rural 94534*
Société d'Assistance Technique et de Crédit Social d'Outre-Mer 94181*
Société d'Economie Montagnarde de la Loire 66350*
Société d'Histoire Naturelle de l'Afrique du Nord 91943*
Société des Agriculteurs de France 7470*
Société Malgache d'Aménagement de Madagascar 49262*
Société Royale d'Entomologie de Belgique 81359*
Société Veterinarie Pratique de France 45340*
Sociétés d'Aménagement Foncier et d'Etablissement Rural 85474*
Sociétés d'Interet Collectif Agricole (France) 76447*
Society for the Protection of New Hampshire Forests 18703
Society of American Foresters 18626 18629 26689 44544 44565
Society of Biological Chemists (India) 8005
Society of Border Leicester Sheep Breeders 4067
Society of Dairy Technology 13708 39251
Sociology 7346 7733 23507 40780 40786 49412 57669 66887 76364 85149 85439 94623 14683* 40466* 76359* 76362* 94617*
Alaska 13467
as an occupation 57629
associations 76358*
Austria 40532*
France 66330*
Germany 49421 15170* 58116* 58124*
East Germany 66934*
Great Britain 15167
India 15461 40779
Japan 15168
Mississippi 85539
Netherlands 66884 32142*
Pennsylvania 23438
statistical methods 7736 15345 40863 49426
Wisconsin 15169
Soda SEE Sodium carbonate
Sodium
determination 30128 30146 30525* 31587* 31588* 65304*
effects on plants 16864 25051 51383 59915 9183*
fertilizers 2319*
beets 35404*
pastures and meadows 10255*
sugar beets 10270* 70552* 78653*
in animal physiology 19537 27385* 53925*
in blood 79910 3661* 12242* 19878* 54616* 54684*
in cattle physiology 62885 80445 62845*
in dog physiology 36818 63022*
in grain 75342
in insect physiology 13070 29775 29776 92426
in milk 30525* 93316*
in plant nutrition 24972
in plants 8993 16653 16684 30128 30146 50941 51072 50978* 59946*

Item

Sodium--Cont
in poultry nutrition 3861
in poultry physiology 63270
in pulp and paper manufacture 36052*
in sheep nutrition 20337
in soils 2420 10341 18021 25051 26500 52387 52467 70285 70645 78354 35158* 43934* 44284* 52459* 89517*
in sugars 31587* 31588*
in swine physiology 91869*
in wine 65304*
Sodium acetate 17933 2104*
Sodium acid pyrophosphate 93623
Sodium alginate 39522 14368*
Sodium aluminates 79563
Sodium arsanilate 36931*
Sodium arsenite 19039 20609 35761 36027
Sodium ascorbate injection 11957
Sodium azide 9036 68600*
Sodium benzoate 47805 57083*
Sodium bicarbonate 11493 37083 80158
Sodium bisulfite SEE Sodium sulfites
Sodium borates 29164
Sodium borohydride 2921
Sodium carbonate 42491 78354 28476* 31597* 43960* 87484*
Sodium caseinate 30628 47911 48630 57242*
Sodium chlorate 78210 45139*
Sodium chloride
effects on bacteria 48622 7016*
effects on casein 83815
effects on plants 1186 1187 8355 9053 16502 16602 16633 16762 16766 16864 16882 18485 33951 34144 34145 34146 34147 42491 51072 59945 87598 87840 16207* 16838* 42758* 42787* 59946* 61500* 68920* 68921* 69024*
effects on soils 78299* 78319*
effects on wood 27045
fertilizers 35302
in animal nutrition 27229 83025 90554*
in butter 30517
in cattle nutrition 62759 80136 71977* 90946*
in cattle physiology 3409
in cheese 47912*
in cheese manufacture 6366* 13839*
in duck physiology 3919 11991
in food processing 7002 65808 66078 40013*
in insect physiology 5132 5651
in lumber preservation 62097
in meat 66001* 84732*
in meat processing 48696 66055 22577* 22605*
in milk 3481
in pigeon nutrition 80740
in plants 1021 51252
in poultry nutrition 72567 80766
in ruminant physiology 19464
in sheep nutrition 80136

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Item

Sodium chloride--Cont
in sheep physiology 12101 81106 72885*
in soils 70765*
in sugars processing 40180*
in swine nutrition 55051*
in swine physiology 72999
in turkey nutrition 37083 72520 72572
toxicity 20361 46219 62384* 79760*
Sodium chloride solutions 29415
Sodium chlorite 66062 30813*
Sodium citrate 11453 37917*
Sodium cuprate 30773*
Sodium 2,3-dichloroisobutyrate SEE FW-450
Sodium 2,4-dichlorophenoxyethyl sulfate SEE Sesone
Sodium 2,2-dichloropropionate SEE Dalapon
Sodium 6- (2:6- dimethoxybenzamido) penicillinanate monohydrate SEE Celbenin
Sodium dimethyldithiocarbamate 60306
Sodium dimethyldithiodicarbamate 88164
Sodium dithionite 35131 71532 78390 59746*
Sodium dodecyl benzene sulfonate 13440 30859
Sodium fluorides 2856 52503
anthelmintic 4147
effects on bees 82005*
effects on cattle 36525
in lumber preservation 44980
therapeutic use 20414* 63527* 72296*
Sodium fluoroacetate 11673 28057*
Sodium gentisate 30304
Sodium hydrosulfite SEE Sodium dithionite
Sodium hydroxide 13174 39545 84011 2846* 19340* 44975* 62073* 62157*
Sodium hypochlorite 58967 66062 74873 79552 65752*
Sodium metabisulfite SEE Sodium pyrosulfite
Sodium N-methyldithiocarbamate SEE Vapam
Sodium monochloroacetate 43780 43821
Sodium nitrate 34974 52765* 70569*
Sodium orthophenylphenate 57070
Sodium pentachlorophenate 70089 19186* 24124* 25930*
Sodium pentachlorophenolate SEE Sodium pentachlorophenate
Sodium pentobarbital SEE Pentobarbital
Sodium peroxide 6724
Sodium phosphates 52763 56775 65518 74873 93415
Sodium polyphosphates SEE Sodium phosphates
Sodium propionate 55014 55027 80158
Sodium pyrosulfite 19380 27267 71651* 75399*
Sodium rhodizonate 51338*
Sodium salicylate 63285
Sodium selenite 37278* 81078*
Sodium silicates 4287*

Item

Sodium silicofluoride 28707*
Sodium sulfates 1224 34144 34145 34146 34147 37083 36716* 37193* 89476*
Sodium sulfide 45130* 62157*
Sodium sulfites 48471 49547 31238* 57083*
Sodium tetraphenylboron 10040 35171 44515 53075
Sodium thiocyanate 80108 80109
Sodium trichloroacetate SEE STA
Sodopsis n g 46817*
Soft nose mangoes 34238
Soft rot
Coniferae 27050*
okra 42463
potatoes 42463
tomatoes 42463
wood 53580 19188* 71446*
Soga n g 21313*
Sogata cubana 37636
Sogata furcifera 37629 81663 21298*
Sogata orizicola 37636 73218 73207*
Sogda n g 82296
Sogda pavlovskii 82296
Sogdiidae n fam 82296
Soggy break-down apples 48475
Sogn og Fjordane Landbruksselskap 76689*
Soil Bank Program 7551 7558 15027 56525
SEE ALSO Conservation Reserve Program
Soil blocks 92787 26264* 26339* 61201* 64864* 77542*
Soil-cement 78830
Soil conservation 2421 2470 2478 2481 2483 2497 2501 7731 10444 10458 10471 18571 18588 26590 35560 35588 44489 44490 44491 53023 53031 53037 53041 53058 53060 61595 61597 61629 61630 66892 70846 78928 78964 89909 89916 49787*
Africa 26600* 41238* 49411*
Alabama 2469 10443
Algeria 35561*
Alps 7342
Angola 35581
Argentina 10468*
as an occupation 2486 26605
associations 44467
Australia 2487 2488 2491 18405 26591 61264 61604 78948 78949 78950 78962 78967
bibliographies 2476
Brazil 35550*
California 35552 53059
Cameroun 19058* 35575*
Canada 10150 10454 61618
committees 44487
conferences and congresses 94589
Congo 10386* 34351* 40712* 44464*
costs and returns 35564
districts 10459 10473 18564 35580
Idaho 78941
Massachusetts 53042

Item

Soil conservation--Cont
districts--cont
Oklahoma 35564
Tennessee 78954
El Salvador 78933*
Europe 8008
France 43284*
Georgia 78932
Ghana 35576 78926
Great Plains 10452 10472 70872
Guinea 35548* 35557* 35558*
history 2441 61599 61631 89901
Hungary 70434*
India 10285 10457 18565 18572 35584 42114 53053 53057 70845 78547 78956
Indiana 61609
Iowa 53052 89918
Japan 82926*
Kansas 18574 35565 89910
Kenya 35587
legislation 61614
India 78955
Republic of South Africa 35570 35574
Rhodesia and Nyasaland 35559
USSR 26601*
Louisiana 2480
Malagasy Republic 35549*
Mediterranean area 26586
Mexico 18570* 18584* 44470* 49023*
Michigan 2495 53024
Montana 61611
Nebraska 78936
New Hampshire 61615
New York 18582
New Zealand 2489 44463
North Carolina 53021 53045
Oklahoma 53049
Pacific Coast States 70873
Pakistan 10442
policies and programs 2502 18581 35577 75850 94598
Argentina 78942*
Australia 2493 35553 78966
Great Plains 53038
India 10460
New Zealand 61613*
Pakistan 10458
public relations 26608 35586
Republic of South Africa 29845 35571 35573 44487
Rhode Island 53051
Rhodesia and Nyasaland 2482
Somali Republic 35582
South Carolina 53021
Southeastern States 61596
Southern States 52682
Spain 61593*
statistics 89925
study and teaching 44475 70847 70874 44382*
Ghana 35546
Mexico 18591*
New Hampshire 18568
North Dakota 70849
Republic of South Africa 35572
Rhodesia and Nyasaland 35547
Taiwan 10451
Tropics 2476 2147* 53055*
USSR 26598
Virginia 61627

Item

Soil conservation--Cont
West Virginia 61628
Wisconsin 53035
SEE ALSO Conservation farming; Contouring; Cover crops; Ponds; Reclamation; Soil erosion; Terracing; U S Dept of Agriculture, Soil Conservation Serv; names of soil conservation districts; and SUBHEAD in soil conservation UNDER specific subjects
Soil Conservation and Domestic Allotment Act 75850
Soil erosion 10449 18563 35277 35569 44491 53062 53372 70853 9984* 10450* 10461* 52603* 61620* 70307* 70848*
Africa 26600* 44476* 61600* 61621*
Argentina 70852*
Australia 2479 2488 61301
bibliographies 2024 2476 2477
Brazil 35444* 35455*
Cameroun 35579*
Canada 2499
China 18567
Colombia 10469*
control 18578 18589 35556 44479 44485 53032--53034 53041 61606 70866 89908 10445* 26587*
Arizona 78952
Australia 2490 2498 61594 61605 61612 78924
Bulgaria 68200*
by planting 2473 2494 18586 26589 26603 35555 44490 53028 53029 61601 78953 89912 2475* 10447* 10470* 10799* 26585* 26599* 53048* 78963*
Allegheny Mountains 44126
Arizona 44486
Australia 2471 2472 61598 78943
Austria 53054*
Bulgaria 70860*
Czechoslovakia 18579*
France 53050*
Hungary 26602* 70851* 70865*
India 78938
Iowa 89913
Japan 10465* 26897* 88574*
Kansas 89913
Malagasy Republic 70871*
Missouri 89913
mountain areas 79281* 90249*
Nebraska 89913
New England States 44477
Pacific Coast States 44466
Spain 18981*
USSR 18566 18587 79403 10453* 10464* 10763* 18945* 70859* 78939* 79394* 89915* 90206*
Western States 53022
Yugoslavia 78971*
California 52428 89904
Canada 2499 78935 89922

*Text of this reference is not in English.

Item

Soil erosion--Cont
control--cont
developing areas 44480
Eastern States 2492
Georgia 18575
Germany
East Germany 26593*
Guinea 35585*
Hawaii 18590 78925 78965 89627
Hungary 26592* 44473* 70862* 74037* 78951*
India 70870
Iowa 44465
Italy 10455 70854*
Malagasy Republic 35578*
Mexico 18573*
mountain areas 53063 70857 70858 70867 61610* 70859*
Nebraska 2359 61607
New Hampshire 44483
New Mexico 78952
New Zealand 78968
Pennsylvania 35567
Poland 29904 61616 70875*
research
linear programming 70863
Rumania 2484* 53043* 78958*
Sweden 89907*
Switzerland 26596* 44484*
Taiwan 78927
Texas 26594
USSR 26598 2370* 2485* 10456* 10463* 17886* 18577* 44478* 44492* 70855* 70864* 71329* 78923* 78957* 78960* 89920* 89921* 90161*
Upper Volta 18580*
Western States 53022
Yugoslavia 35563* 78931* 78944*
Czechoslovakia 10284*
Germany 35506* 78838*
Ghana 78926
Guinea 35554*
history 61597
Hungary 61602* 70850* 89911*
Idaho 61626 66831
Illinois 44468
India 10105 78969
Indus Basin 53019
Ivory Coast 35551*
Lake States 18585
Massachusetts 18159
Mauritius 61624
Mexico 70856* 78929*
Missouri 2500
mountain areas 18587 89906 10446* 21545*
New Zealand 61613*
Pakistan 53046*
Poland 26604* 44469* 44482* 70861* 70869* 89923*
Republic of South Africa 35568 35583
Rhodesia and Nyasaland 35562
Rumania 10466* 44481* 53044* 78937* 78959* 89748* 89924*
Texas 10462
Tropics 2476 18583*
Turkey 35589*
USSR 52437* 52590* 59336* 61623* 61625* 78940* 78946* 87197*
Vietnam 26588*
Yugoslavia 26595*
SEE ALSO Raindrop erosion; Runoff; Sedimentation; Streambank erosion; Wind erosion

Item

Soil fauna 46749 82150 12747* 44007*
ecology 37959 38038* 82875*
France 61190*
Germany 35217*
Great Britain 4947*
Hawaii 4948
New York 82149
USSR 78453*
Soil Fertility and Plant Nutrition Short Course 26338 52803
Soil insects 15934 46749 73581 21103*
Antarctic Region 55641
Australia 37687
collecting and preserving 21337
control 12582 20564 55395 63881 81699*
Belgium 63889* 63932*
California 55507
Hungary 29005*
Poland 55522*
Sudan 67684
USSR 55461* 73262*
ecology 12734 29575 12747* 29241* 73517*
Florida 37705
Germany 82887* 92374*
habits and behavior 5505 29295 12738* 64343* 91982*
Italy 46737*
populations 38048* 55402*
reviews 64250
South America 12747*
stratification 12755*
surveys 20723 82559*
taxonomy 82579
USSR 21015*
Soil science 17864 26007 26008 26009 52367 43884* 61215* 89441*
associations 17867
bibliographies 2006 26270 26011* 70166*
conferences and congresses 52368 78269*
equipment 2009 2011 17881 35569 43896 52370 52465 61040 70163 61291* 78438*
Germany 70250*
Great Britain 52369
history 15490* 52371* 70167* 89446*
Poland 89442*
study and teaching 18364 26010 43883 70168 70182 78476 2452*
Germany 89445*
techniques 35174
terminology 10532 18219 18234 78521
USSR 44009* 70164* 78270* 89444*
Venezuela 94278*
Soil Science Society of America 17867
Soilless culture SEE UNDER Plants and names of plants
Soils 35277
acid 1142 10033 17867 17938 18022 52491 52512 10196* 18091* 42470* 52464* 70262* 70263*
Australia 18323 70644
Finland 70341*
Japan 52490 61411 77590 884*
Jura Mountains 50626*
Oklahoma 52758
Poland 10103*
Portugal 35316*
USSR 10280* 18307* 18337* 70316* 78530* 78646*

Item

Soils--Cont
acid--cont
Vietnam 89579*
aeration 2047 8554 17880 18064 18501 25009 26024 43904 50319 51040 51168 51169 51171 52509 61111 61471 70182 78119 89539 89550 2038* 10322* 18526* 24861* 33926* 43903* 52419* 61086* 70258* 78274* 78275* 78282* 78294* 78320* 78878*
bibliographies 42539 43894
aggregates 2039 2046 17920 18115 35100 52379 52395 61065 70184 70217 1205* 9999* 17907* 26022* 61085* 70172* 70176* 70224* 89563*
bibliographies 52389
aggregations 2019 2060 10088 35120 51222 52401 52411 87958 26049* 52403*
air contributions 18030 26066 35155 35176 52569 61180 68756*
Algeria 89575*
alkaline 26433 16498* 52537*
Canada 44071 52575
Hungary 2230*
Rumania 89626*
analysis and testing 2036 2076 2103 2322 7303 10040 10042 10243 10258 17934 17945 17946 17961 17968 17978 17980 17985 18008 18012 18033 18043 18047 18364 22335 26070 35127 35129 35141 35144 35146 35367 43932 44272 47655 52528 52555 52559 52562 52721 61067 61146 61158 61162 61342 61437 70220 70295 70325 78342 78361 78373 78389 78454 78502 78566 78584 89483 89485 89490 89496 89505 89518 89778 2097* 2105* 2106* 2113* 9024* 10018* 10029* 10031* 10044* 10046* 10056* 15954* 17937* 17940* 17955* 17973* 18031* 18035* 18038* 18098* 18318* 26071* 26085* 26086* 35139* 43925* 43940* 43944* 43948* 43949* 43951* 43969* 43972* 43973* 44148* 52480* 52532* 61068* 61085* 61126* 61145* 61149* 61247* 70245* 70255* 70263* 70276* 70281* 70300* 78343* 78346* 78349* 78369* 78376* 78391* 78397* 89477* 89478* 89492* 89502* 89527* 89528* 89530*
bibliographies 2184 43937
equipment 17939 17939 35100 61037 10027* 18016* 44022* 52459* 70185* 70305* 89517*
history 52567

Item

Soils--Cont
Argentina 61106* 61298*
Arizona 17934
Australia 10006 18323 61478
bacteria 2139 10064 10065 10066 10071 10075 10077 10092 16001 16641 17825 18055 18060 18061 18071 18072 18079 18080 18087 18117 24525 26122 35181 35195 35196 35201 35205 35208 35209 35214 35218 44003 44021 44031 44046 44047 44048 44054 44056 52589 52594 52622 52627 70351 70386 70392 70393 73617 78427 78430 78437 78456 78461 89546 2116* 16172* 18104* 18114* 26103* 26106* 26134* 37448* 38009* 43999* 44002* 44011* 44014* 44017* 44029* 44035* 44038* 44039* 44041* 44043* 44059* 44061* 44062* 51266* 52602* 59992* 60041* 60102* 61188* 61195* 61210* 61222*–61224* 61229* 61233* 61239* 61244* 61250* 69045* 70326* 70332* 70338* 70352* 70356* 70367* 70370* 70371* 70373* 70383* 70385* 78404* 78423* 78424* 78432* 78434* 78446* 78458* 78462* 89535* 90603*
bibliographies 2125
reviews 26129*
base exchange 2103 10039 10047 17931 17933 17938 17941 17943 17962 17983 17991 18006 18014 18018 18019 18044 18045 18051 26077 35167 43942 52468 52507 52512 52522 52556 52557 59938 61118 61154 61156 61185 70266 70285 78336 78367 78393 17928* 18309* 35152* 43972* 52464* 52469* 61147* 70178* 70249* 70262* 70300* 78325* 89489*
Belgium 52652*
bibliographies 17865 26005 26006 43938
biology 2115–2168 2235 8958* 10057 10058–10098 16244 10124* 18054–18124 26093–26134 35180 35181–35219 37448* 38048* 43994–44062 46479 46789 52580 52581–52633 61186 61187–61254 70317 70318–70399 78281 73585* 78324* 78403 78404–78465 82887* 89531–89564
bibliographies 1009 2126 2127 23728
reviews 10025 18062 2119*
Brazil 26178*
bulk density 401 51039 51040 52383 52435 61076*

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Item

Soils--Cont
Burma 17894
California 50646
Canada 2095 2096
2223 52515 52546
52589 70251 70444
capillary rise 26056 43917*
Ceylon 78503
chemistry 2066– 2114
8686* 10017–10056
16755* 17928–18053
17884 17908 17917
18232 18362 26060
26061–26092 26120
35125–35179 35216
35233 43931–43993
52430 52458–52579
52849 61071 52653*
61113–61185 70213*
70230* 70231* 70232
70233–70316 71376
70704* 78325–78402
78516 87689* 89465*
89476–89530 89571*
bibliographies 2007
2086 2087 2121
reviews 10025 17954
China 15640
classification 2231 2232
10117 17867 18148
18160 18169 18178
18193 18201 18215
18219 18220 18238
26187 70195 70414
78276 78502 78505
78516 89603 18135*
26175* 70451* 89581*
89610*
Arctic Region 78481
Belgium 26156* 26157*
35232*
bibliographies 2182
2186
Burma 26174* 61296*
California 78529
Canada 70443 70463
Ceylon 78503
China 18187 26164
61306*
Congo 18223 2199*
10135*
Europe 2195* 35230*
France 18149*
Ghana 18165
Hungary 2201* 44111*
70434*
India 18203 26177
35255 44112 52636
52668 61295 70432
78494 78521 78523
78532 10113*
Iraq 61276
Japan 44092* 78512*
89588*
Java 78524
Lithuania 44099*
Louisiana 18144
Minnesota 2190
Mississippi 52678
Nebraska 61263
New Zealand 2187
18232 35135
North Central States
35266
Ohio 70425
Oklahoma 35248
Oregon 70454
Peru 78504*
Poland 26141* 26186*
52641* 70415*
Portugal 18141
Republic of South Africa
52662
Rumania 10120* 10121*
70448*
Rwanda-Burundi 35245*
South Dakota 10138
35266
Tropics 2186

Item

Soils--Cont
classification--cont
USSR 18133 18137
18175 18202 18228
44116 78491 89582
89607 2203* 2207*
2221* 10102* 18150*
18168* 18176* 26169*
26190* 26192* 35263*
44072* 44096* 44098*
44105* 52635* 52660*
61262* 61290* 70423*
70617* 78469* 78471*
United Arab Republic
2191
Venezuela 94278*
Vietnam 26153*
Wisconsin 2190
Yugoslavia 61305
89617*
colloids 17932 43920
52556 61124 61150
70171 78447 2068*
43911* 43971*
color 2077 61137
61184 70414 70453
61094* 78370*
bibliographies 2032
compaction 2019 2040
2047 5809 8955
9124 9126 17899
17913 26025 26028
34107 34135 35097
43891 43914 43930
50914 51012 51083
52394 52435 59890
61043 61065 61096
61103 61111 70217
2107* 9980* 17911*
18936* 25064* 25116*
26033* 35124* 43909*
43926* 47392* 52386*
52426* 52882* 56079*
61106* 78294* 78315*
87982* 89253* 89451*
89457* 92712*
concretions 26016 70299*
conditioners 2010 9988
10311 26028 52428
52429 61101 78321
9982* 17886* 17896*
17919* 26593* 43888*
43905* 61056* 61084*
70179* 70643* 78299*
78319* 78324* 89449*
bibliographies 2023
conferences and congresses
17866 26338 35091
44235* 50635*
Congo 9976* 43939*
Czechoslovakia 70165*
Danube Basin 47*
Denmark 18020* 18272*
52532*
desert areas 18073 10125*
18073* 44043* 70433*
drying 2060 17931
52549 52550 61071
61117 89473 17897*
78827*
electrical conductivity
17889
enzymes 44004 2142*
2156* 17979* 35194*
43999* 44008* 61128*
70355* 70376*
bibliographies 2123
Estonia 44039*
Ethiopia 44336
extracts 17889 35168
61125 2097* 43916*
43940* 43948* 43949*
52506* 70267* 70322*
78355* 78398* 89482*
fertility 2040 2260
2279 2321 2500
2665 9129 10052
10234 10258 10678
12359 17867 18239

Item

Soils--Cont
fertility--cont
18247 18278 18341
26235 26311 26359
35298 35358 35389
44143 44717 50947
51081 51303 52162
52395 52475 52540
52717 52762 52831
52870 61335 61453
61455 70265 70388
70504 70666 71376
78584 78659 89490
89623 89658 89674
89688 89778 2286*
10081* 18309* 18318*
18335* 26244* 26263*
26845* 35206* 35329*
43913* 44169* 44175*
44187* 44200* 44202*
44215* 44240* 44251*
44261* 44276* 44280*
44292* 44319* 44320*
51340* 52752* 52782*
52811* 52814* 52855*
52994* 61219* 61396*
61405* 61413* 70496*
70593* 78572* 78633*
78649* 88308* 89512*
89694*
Alabama 61445
Australia 2351 10673
26067 44156 70514
78600 78601 89685
bibliographies 2007
2079 2268 44166
Brazil 78351* 78356*
British Honduras 70631
Bulgaria 35760* 89492*
Canada 26285 35295
35367 52517 78684
Chad 44227*
Colombia 18397* 78693*
89760*
Congo 10241* 34367*
35405*
Costa Rica 18313
Czechoslovakia 89764
44228* 78689* 89630*
89725*
Dahomey 34345* 35348*
Denmark 18271*
desert areas 73585*
Europe 44203*
Finland 61418 61419
10215* 26342*
Florida 18270 18348
18352
France 35360* 52828*
61362* 61443* 89736*
Germany 2301 2293*
10279* 18261* 18308*
18380* 35210* 35390*
44203* 44277* 61422*
78445* 89647* 89751*
East Germany 44218*
44256* 89639* 89749*
89755*
Ghana 78679
Great Britain 70506
Hawaii 18388
Honduras 78570
Hungary 53000 10222*
10277* 44139* 44209*
Iceland 18291*
Illinois 61371
India 19285 26239
26243 26313 44225
51133 52569 52668
52742 52808 61562
78665
Indiana 78624
Indonesia 61192*
Iran 52978
Italy 10245* 18262*
18325* 18378* 26217*
26218* 26228* 26234*
26248* 26251* 26256*
43917* 78670*

Item

Soils--Cont
fertility--cont
Japan 35339* 35344*
70567*
Kansas 26286
Kentucky 10186
Kenya 94407
Louisiana 2340 35379
52823 52846 78723
Malagasy Republic 50581*
Mauritius 35420
Mexico 89726*
Michigan 78392
Minnesota 44192
Mississippi 52815
Missouri 52746
Morocco 70509* 78576*
78577* 78663*
Netherlands 18277*
18312* 44188* 89709*
Nevada 16579
New Jersey 44237
New Zealand 26069
52791 78616 78749
88274
Nigeria 18328
North Carolina 26310
Norway 52690 52729
61647 78613 78702
Ohio 26275 89768
Oklahoma 61338
Oregon 52759
Philippines 35416
Poland 26257* 44151*
44152* 49407* 70519*
71137*
Republic of South Africa
2288 35323 35370
52841
research
statistical methods
90090*
reviews 2282 90153*
Rhodesia and Nyasaland
35306 52485 78706
Rumania 2271* 52733*
89732*
Sicily 89477*
Scotland 79233
Spain 18265*
Sudan 18350 52749
Sweden 2283* 10232*
10254* 35320* 35332*
35425* 52768* 70517*
70527* 70536* 78484*
78631*
Switzerland 18775*
Taiwan 35300*
Tennessee 52839
Texas 26594
Trinidad 61275
Tropics 2282 18075
53055*
USSR 52676 1937*
2058* 2316* 10129*
10179* 10204* 10288*
18241* 18263* 18286*
18289* 18303* 18306*
18315* 18329* 18340*
18345* 18351* 18375*
18500* 20753* 26021*
26254* 26360* 35213*
35408* 44172* 44253*
44294* 44472* 52743*
52787* 68690* 70387*
70502* 70535* 70539*
70587* 70597* 70616*
70617* 70623* 70643*
89522* 89712* 89783*
89921*
Utah 26306
Vietnam 35373*
Wisconsin 44214
Yugoslavia 61389
Finland 61171
10036*
Florida 17945 17963
18012 18041 18047
33868 61460
France 35130 70213*

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Item

Soils--Cont
frozen 2055 2060 35108
35112 52414 52420
61100 78307 2045*
16197* 17893* 18870*
26143* 43885* 52400*
59276* 61954* 70227*
89464*
fumigation 26612 33438
33451 34040 42059
44496 53064 53348
55507 58909 61633
67700 70878 87126
California 44498 68059
equipment 44496 73297*
New Zealand 43763
USSR 70877* 92176*
Yugoslavia 86854*
genesis 2200 2228
17867 17958 18028
18130 18136 18148
18152 18164 18171
18177 18180 18201
18212 18215 18234
18235 18238 26091
26158 52643 52654
70460 78480 89570
18146* 26163* 26179*
52648* 70848* 78414*
78477 78533* 89608*
Africa 18161* 18191*
Alaska 52674
Angola 78472*
Asia 18188*
Australia 2215 18218
61277 61278
bibliographies 2185
Bulgaria 89571*
Burma 70462*
Canada 70410 70413
70418 70443 70457
70458 70468
Chad 35222*
China 26185*
Congo 18179*
Florida 18210
France 26109* 26142*
Germany 18182* 18192*
18207* 18216* 44074*
44097* 44107* 44108*
70447* 78498* 89598*
East Germany 18205*
61039* 78513*
Great Britain 2178
61289
Great Plains 61282
Hungary 2230*
India 35246 78497
78523
Iowa 44073 52664
70473
Ireland 89580
Israel 52656
Italy 26147* 26234*
78473*
Ivory Coast 18185*
Iraq 61276
Japan 18227 52655
52658 89592 35244*
44092* 89588*
Java 18157
Kenya 18225
Luxembourg 44095*
Minnesota 70426
Mississippi 18166
Mongolia 70416*
mountain areas 61302*
87178*
Nebraska 44073 52645
Netherlands 18131
18170 70467 61299*
New Zealand 10003
18143
Norway 2204 18183
Ohio 35241
Poland 35226 35227
10132* 10139* 26145*
26161* 26162* 26167*
26170* 70437* 70446*
70456*

Item

Soils--Cont
genesis--cont
Réunion 18208
reviews 18134*
Rumania 10109* 78518*
89584*
Senegal 35223*
South Dakota 2234
18233
Spain 18174* 52651*
Tropics 52639*
USSR 18129 18133
18138 18204 18211
35238 35249 61286
61293 61311 89590
89605 89607 89609
2202* 2211* 2218*
2219* 10114* 10116*
10125* 10127* 26144*
26152* 26160* 26173*
26188* 44067* 44070*
44116* 52637* 52638*
70253* 70421* 70422*
70435* 70436* 70438*
70440* 70466* 78486*
78530* 78536* 89616*
Vietnam 89579*
Washington 78487
Wisconsin 2180 44083
44117
Yugoslavia 61265
89600 52671*
Germany 68194*
East Germany 52478*
Great Britain 17960
42120 59266 59329
Great Plains 25475
Hawaii 35513
heating 61184 69124*
equipment 13376 5901*
13413* 21755* 30101*
78301* 83292*
Hungary 43907*
hydrogen-ion concentration
1171 2074 2089
2117 10021 10052
10055 17941 18037
18052 18317 26088
33857 35381 43952
43953 44054 44197
52525 52793 59841
61161 61441 68067
69136 70285 70292
77577 78387 89674
2104* 10034* 24536*
24820* 26151* 34138*
43916* 44193* 52478*
52537* 61143* 61168*
61179* 68722* 68803*
68955* 70235* 70236*
70263* 70275* 70341*
70483* 78358* 78376*
88000* 89631*
bibliographies 2078
2079
Iceland 2041
India 2102 10028 10059
10278 10512 26073
33466 52142 52379
61136 61158 78373
Indonesia 61180
infiltration 2018 2035
2056 2061 9983
10000 17874 26525
35109 44495 52374
52382 52385 52423
52427 52441 52632
61047 70221 78283
89469 2037* 17905*
17916* 26047* 35118*
Ireland 78337
Israel 18076
Italy 40732*
Ivory Coast 9059* 50606*
Japan 52499 61170
26044*
judging 35445 44211
52833

Item

Soils--Cont
leaching 17957 17992
18015 18021 26301
35149 35163 35264
43933 43990 52431
52522 52551 52655
52903 61170 78444
10361* 17890* 17974*
18833* 26395* 43959*
44227* 44276* 44329*
52814* 61054* 61123*
68090* 70253* 78784*
78875* 89476* 89809*
89870* 89885*
bibliographies 2080
2088
management 2241 2500
44123 52518 52975
57831 61320 78548
89619 89623 35278*
Africa 52683*
Argentina 70483*
Australia 10148 70514
Belgium 10143 70478*
biological aspects 44005
44023 44033 59271
74479 78549
Canada 10150 26193
35273 78545
Czechoslovakia 89625*
Denmark 70480*
desert areas
reviews 61475
Eastern States 35269
Florida 44120
Germany 10149* 18246*
44121*
East Germany 78540*
78542* 78543* 78551*
82948*
Hungary 10235* 26198*
70477*
Illinois 18501
India 44130
Ireland 2398
Japan 26200*
Netherlands 44132
NewZealand 57913
Oregon 35280
Pennsylvania 10289
Poland 35274*
Rumania 60702* 89626*
Rwanda-Burundi 40740*
Senegal 10142*
Texas 35276
Tropics 26197
USSR 10147* 18241*
52681* 52688* 61856*
89548* 89618*
maps 61292 26071* 70464*
78466* 78467*
Africa 18153
Angola 18147
Asia 18188*
Australia 35240
Austria 89591*
Belgium 2173* 2175*
2176* 2205* 2206*
2208* 2209* 2217*
26137* 26139* 26155*
44068* 44077* 44102*
89568* 89577* 89586*
89594* 89596* 89602*
Canada 78470
Congo 26189* 44079*
Czechoslovakia 88947*
Estonia 70461*
Europe 18224 18226
26154* 70469*
France 10108*
Germany 18173* 52679*
Hungary 26151* 26182*
India 78521
Ireland 70427
Malagasy Republic 2197*
2198*
Ohio 18198
Poland 26186*
Rumania 78508* 86318*

Item

Soils--Cont
maps--cont
South America 18139
Surinam 2174*
USSR 18175 18221
35231 52676 2220*
10104* 18168* 61307*
70428*
Vietnam 26168*
mechanics 21715 35093
61043 61102 70195
17869* 78870* 89455*
microorganisms 261 421
1216 2130 2135
2503 10057 10062
10063 10069 10076
10083 10087 10088
10098 12359 16262
16505 17867 18064
18067 18077 18081
18084 18089 18106
18111 18113 18115
18120 18124 18180
18235 24796 24823
25877 26100 26102
26104 26111 26112
26114 26117 26120
26124 26125 33000
33215 34130 34152
35192 35193 35204
35211 35219 35212
35216 41290 41510
42569 44013 44033
44036 44050 44051
46157 51078 52585
52588 52591 52592
52605 52608 52616
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61236 61243 61248
61249 67589 67832
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70327 70330 70337
70379 70395 77746
78433 78441 78454
78464 87554 88049
89532 1217* 2128*
2136* 2144* 2149*
2150* 2156* 2157*
2159* 2161* 10067*
10072* 10073* 10081*
10082* 10089* 10093*
18083* 18094* 18108*
18112* 18592* 24092*
26099* 26118* 26128*
26131* 26968* 27362*
35182* 35191* 35197*
35200* 35206* 43994*
43996* 43998* 44012*
44015* 44016* 44018*
44022* 44026* 44032*
44040* 44044* 44049*
44058* 46360* 52582*
52593* 52611* 52620*
52628* 52630* 52898*
58902* 59098* 60083*
60093* 60129* 60149*
60172* 61187* 61189*
61197* 61198* 61200*
61202* 61205* 61210*
61211* 61219* 61220*
61224* 61231* 61234*
61235* 61242* 61252*
61254* 70317* 70319*
70320* 70322* 70334*
70336* 70340* 70341*
70346* 70349* 70353*
70359* 70362* 70364*
70369* 70376* 70390*
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78407* 78409* 78411*
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78452* 78455* 78459*
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89531* 89533* 89534*
89544* 89545* 89547*
89548* 89552* 89555*
89563*

*Text of this reference is not in English.

Item

Soils--Cont
microorganisms--cont
bibliographies 2007 2121 2122 2124 44000
reviews 18059 35185 78451 2119*
moisture 982 1160 1163 2012 2033 2043 2060 2072 2273 2360 8620 8968 9109 9190 9210 10002 10035 10069 10137 15934 16819 16861 17867 17904 17910 17920 17970 18001 18006 18164 24981 24999 25928 26046 26048 26056 26057 26077 26119 26387 26388 26421 26441 26452 26478 26519 29575 33864 33956 34033 34085 35094 35097 35099 35108 35112 35134 42683 42731 42893 42900 43889 43906 43912 13970 44046 44416 46370 49977 51040 51080 51106 51159 51166 51204 51262 51274 51409 51421 52377 52383 52384 52387 52392 52396—62398 52405—52407 52415 52418 52420 52425 52430 52433 52434 52442—52445 52451 52453 52457 52461 52468 52509 52566 53015 53016 53039 59787 59833 59856 59905 59964 60131 60141 60178 60208 61053 61055 61060 61065 61070 61095 61099 61100 61107 61108 61111 61141 68067 68562 68581 68830 69010 70181 70182 70209 70217 70221 70226 70228 70344 70374 70749 77567 78293 79321 79431 87718 87899 89463 89466 2034* 2045* 8910* 9044* 9984* 9990* 9999* 10011* 10675* 12738* 16790* 17885* 17918* 25122* 26059* 26092* 26370* 26529* 35095* 35096* 35113* 35115* 35437* 42618* 42795* 43913* 43921* 52388* 52400* 52440* 52925* 59780* 61054* 61061* 61062* 61072* 61086* 61097* 61205* 61524* 68205* 68795* 68924* 69099* 70177* 70180* 70187* 70193* 70200* 70201* 70206* 70207* 70210* 70230* 70231* 70303* 70318* 70698* 71110* 74231* 78272* 78275* 78277* 78290* 78291* 78294* 78302* 78313* 78779* 78888* 86737* 87504* 87574* 87854* 88067* 89459* 89795* 89845*
Appalachian Mountains 70190
Arkansas 35720
Australia 26029 79376
Austria 2384*

Item

Soils--Cont
moisture--cont
bibliographies 2027 43893
Burma 17894
California 59912
Cape Verde Islands 61052*
desert areas
reviews 61057 61548
determination 2013 2021 2042 2048 2057 2063 2064 9989 10009 10014 10376 17898 17912 17926 26012 26017 26026 26040 26055 35104 35107 35119 35162 35480 43929 44372 52376 52380 52408 52417 52424 52438 53010 61044 61073 61110 70215 70229 78273 78287 89474 10010* 17891* 17897* 26050* 26328* 33949* 35116* 61046* 61048* 61059* 70174* 70199* 70212* 70216* 70219* 78278* 78308* 78311* 78317* 89450*
equipment 2049 10001 10005 10007 10420 17824 26014 26038 35101 35114 35119 35121 52375 52408 61082 70169 89452 9991* 10016* 70183* 70223* 70225*
Estonia 24534*
Florida 61074 68789 70196
France 59892* 61527* 61544*
Germany 17922* 43900* 50637* 61089* 61091*
East Germany 43915*
Ghana 78323
Great Britain 33979 89456
Great Plains 34201
Hawaii 10015
Hungary 43895* 70214* 89562*
India 969 10152 26397 26472 52448 53475
Italy 10340* 43901* 70170*
Japan 1302 43991 1266* 26037* 26039* 26184* 61080* 78295*
Mexico 82900 35118*
Minnesota 9996
Mississippi 21715
Missouri 9997 52394 70204
Montana 61047
Netherlands 26054 52412
New Zealand 88578
North Carolina 10144
Oregon 10274 35722
Pakistan 26392 61042
Philippines 52432
Poland 17892* 70869* 78286*
Portugal 78311*
Rhodesia and Nyasaland 26181
Senegal 10142* 35103*
Southeastern States 79260
Southern States 44764
Spain 61593*
Taiwan 1181* 26015*
Tropics 70315 50605*
Tunisia 59835*

Item

Soils--Cont
moisture--cont
USSR 17872 17876 17879 17888 17923 19062 52436 71328 2054* 2059* 2099* 2370* 9998* 10013* 10318* 10338* 17877* 17893* 17909* 18400* 18535* 24804* 26019* 26053* 26191* 35102* 42660* 42662* 43927* 52437* 60403* 61098* 68694* 69098* 70173* 70175* 70202* 70205* 70208* 70227* 70489* 70738* 78303* 78305* 89448* 89458* 89461* 89464*
Yugoslavia 61104
Montana 69577
mountain areas 17878 61295 70314*
bibliographies 2392
Nebraska 2224
Nevada 18040
Niger 33101*
North Carolina 70266
Northern Ireland 9055
Norway 18034 52634* 52661* 61063*
Ohio 18404
Oregon 1619 18064
organic matter 2109 2154 2168 10020 10057 10069 10094 17947 17953 18002 18032 18036 18042 18065 18077 18236 25949 26070 26194 33857 35120 35154 35159 35178 35190 51210 52446 52463 52474 52475 52503 52527 52549 52597 61088 61144 61175 61217 68067 68071 68929 70266 70331 70372 70374 70388 78333 78371 78422 78480 2140* 2338* 10305* 18477* 26244* 44019* 44052* 52492* 52620* 61145* 61244* 61844* 69114* 70275* 70278* 70358* 78369* 78385* 78417* 78737* 89541* 89552* 89684*
Argentina 61298*
bibliographies 2007 2084 42537
California 26347
Canada 43742 44146 70614
Ceylon 24297
Connecticut 61346
El Salvador 70568*
France 52409* 78365*
Germany 35180*
Great Britain 70504
India 18023
Italy 10190 89499*
Japan 2235 43991
Poland 26078*
Republic of South Africa 2343*
reviews 52486 89500
Tropics 2111
USSR 10116* 10118* 10124* 52520* 70436*
oxidation-reduction potential 18032 18101 24796 61141 78326 78500 10023* 26065* 52479* 52481*
bibliographies 2083
particle size 2061 52420
percolation 78316 26027* 26039* 26047* 26058* 61112*

Item

Soils--Cont
permeability 2019 2046 17902 17903 17920 17927 26029 26433 26573 26581 35108 35110 52375 52402 52421 52435 55198 61060 61104 70220 70222 2062* 2475* 9995* 17893* 17901* 17915* 26034* 26054* 61068* 61109* 70219* 87533*
bibliographies 2026 2028
physics 2010— 2065 2075 2231 8620 2093* 9978—10016 17867 10046* 17868—17927 21588 26012—26059 35093—35124 43885 43886—43930 44132 44276* 44399* 52372 52373—52457 61041 61042—61112 61164* 70169—70231 78271 78272—78324 78516 78359* 78515* 78827* 89447—89475 89845*
bibliographies 43892
reviews 10025
plant animal relations 2169 10099 18125 18126 26135 26136 44064—44066 52633 61257 62801 70402 2171* 18128* 44063* 54899* 54900* 54921* 61152* 61256* 61259* 61261* 63483* 70400* 70401* 90521* 90714* 90715*
Europe 89565*
Germany 35220* 70403*
New Zealand 18127
Peru 10100*
USSR 26023* 53785* 53794* 53886* 61212* 61255* 61258* 61260* 79832*
Poland 26016 2113* 40461* 70261* 70280* 70312* 70417* 70439* 70476* 89612*
porosity 2052 17902 17903 26048 51100 61070 9995* 89459* 89460*
bibliographies 2029
profiles 10137 18140 26146 52643 71068 78476 78528 61291* 78477*
Africa 18191*
Alaska 18154
artificial 18181*
Australia 35259 61285 78345
bibliographies 2183
Canada 2179 52663
Ceylon 35257
Czechoslovakia 89625*
France 44104* 78515*
Germany 43974* 44107* 44108*
East Germany 78513*
Idaho 2192
Iowa 35131
Italy 78381*
Japan 35244*
Massachusetts 18159
Minnesota 2190
Nebraska 61263
Netherlands 18131
Norway 68613
Pennsylvania 78499
Poland 35242 89614*

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Item

Soils--Cont
profiles--cont
USSR 18228 2212* 2219* 10129* 18200* 26143* 26176* 61287* 70429* 89604*
Wisconsin 2190 44117
properties 2036 5727 9986 16180 17925 18009 18164 18193 18427 18485 26012 26017 26038 33576 35134 43891 43903 51035 51041 51330 52401 52402 52410 52416 52422 52442 52447 52631 52920 53306 61049 61083 68830 78288 78321 78390 89318 2053* 2475* 10004* 10013* 10131* 18046* 18846* 26022* 26162* 26163* 26179* 35150* 43913* 52403* 52450* 61122* 70188* 70198* 70499* 71110* 89453* 89507* 89684*
bibliographies 2025 52390
Bulgaria 89470* 89529*
Canada 44413 51032
Colombia 17868*
Estonia 17883*
France 43902* 59896*
Germany 43977*
East Germany 61039* 61829*
Hawaii 10015 44323
Hungary 70201*
India 10105 26052
Iowa 70473
Italy 10026*
Japan 61064 26032* 26045* 34071* 70639* 78359*
Korea 78527*
Mongolia 70416*
Netherlands 52412
New Zealand 10003
Panama 17948
Poland 52399 17892* 26035* 26049* 44469* 70415* 70446* 78587*
Spain 52653*
Taiwan 78280*
Texas 17899
Tropics 18019
USSR 17903 52646 2038* 2054* 2099* 8686* 9998* 10127* 17873* 17890* 17914* 18351* 18518* 43927* 43941* 52437* 52590* 52637* 70422* 70695* 78303* 78304* 78595* 87228* 89448* 89508* 89604*
United Arab Republic 70232*
Yugoslavia 43919* 79240*
Puerto Rico 70292
research
statistical methods 18056 44058* 78399*
Rhodesia and Nyasaland 23198
sampling 2042 2043 9985 35092 43923 70189 70229 86364 89468 2017* 17891* 43909* 78312* 89462*
equipment 2020 2051 9987 9992 17906 26030 52413 52414 61087 89475 17870* 89467*

Soils--Cont
sanitation 2504 2506 8550 10476 17807 18057 24184 24240 24257 25940 26104 26610 30247 41643 41905 42056 43809 44494 44500 44502 50155 50350 50528 50553 52268 52281 53067 53068 58956 59216 61635 61638 70876 70879 77192 77267 77299 78972 78974 89550 89926 566* 2505* 10474* 18592* 18595* 24195* 24287* 24944* 26094* 26609* 26611* 29908* 35591* 44499* 44501* 46943* 50554* 53066* 59086* 59091* 61632* 61636* 61637* 61639* 61640* 77095* 78973* 81644*
bibliographies 44497
equipment 21636 35590
Sierra Leone 35146
South Carolina 2322
Southeastern States 52496
Spain 51782* 70513* 89526*
structure 2015 2022 17871 17879 17887 17902 17910 17971 18404 21483 26112 35186 44051 44073 51167 52381 52387 52394 52395 52399 52435 52436 53039 61055 61070 70171 70414 70504 78276 78284 78309 2058* 9978* 9981* 9984* 10008* 17886* 17895* 17896* 18207* 26021* 26031* 26041* 43885* 43888* 43897* 43924* 43945* 50715* 52391* 52456* 52994* 61051* 61068* 61077* 61620* 61148* 70185* 70187* 70219* 70223* 70478* 70593* 78285* 78296* 78297* 78304* 78314* 78318* 78527* 86609* 88067* 89447*
bibliographies 2024 2026 2032 2122
subsidence 2016 26511 18521* 61041* 61495*
Sudan 61310 70465*
surveys 2232 26140 44084 44091 52649 61279 61288 70406 70853
Alabama 10112 89595
Alaska 70459 89524
Argentina 18237
Australia 2233 26180 52640 61264 61277 61308 89576
Belgium 2173* 2175* 2176* 2205* 2206* 2209* 2217* 26137* 26138* 26139* 26155* 44068* 44077* 44102* 89568* 89577* 89586* 89594* 89596* 89602*
California 52677 89567
Canada 70431 78470 78482 78519 79190
Colorado 2193 15151 52670
Connecticut 40753 44110
Ecuador 44075*
Florida 18210 52675
Georgia 35225 35265

Soils--Cont
surveys--cont
Germany
East Germany 89639*
Great Britain 10111
Idaho 2192
India 44090 52668 70432 78488 78520 78532
Indiana 44100
Iowa 44080 52673
Iraq 61276
Jamaica 70424
Japan 2226* 35243* 44093* 78496* 78501*
Kansas 18151 18190 26165
Libya 2227
Louisiana 89574
Malagasy Republic 50631*
Malaya 26172
Marshall Islands 2008
Maryland 10119
Michigan 2229 53024
Minnesota 10107
Mississippi 2194 2213 35267 44109 52678
Missouri 89611
Montana 61611
Nebraska 52680 78492 89573
Netherlands 70412 35253*
New Hampshire 61615
New Jersey 89597
New York 18145
New Zealand 10136 78489 78534
Norway 70442*
Ohio 18197 26171 44069 78509
Oklahoma 2177 2210 89578
Philippines 44103
Portugal 18141
Rhodesia and Nyasaland 26181
South Carolina 89587
Spain 89566 52653*
Taiwan 89585
Texas 2214 44106 52666 78493 89572
Trinidad 61275
USSR 18230 2222* 2225* 10102* 10104* 10126* 35221* 35228* 35229* 35236* 35250* 35252* 35254* 35258* 35260* 44101* 44114* 52667* 52669* 61266* 61267* 61269* 61281* 68094* 70405* 70423* 70441* 70475* 78483* 78511* 89569* 89593* 89613*
United Arab Republic 70232*
Virginia 18142 76333
West Virginia 52650 61628
Wisconsin 10128 44113 70470
Yugoslavia 26159*
Sweden 10053 10054 43956* 43965* 43980* 78416* 89504*
temperature 623 1172 2030 2031 2041 2072 9994 15934 17924 24281 26013 33256 35094 35098 35099 35105 35122 35123 43896 43928 43947 50263 50529 50956 51176 51274 52415 52439 52441 52454 52455 52461

Soils--Cont
temperature--cont
52592 52998 53471 61079 68067 68527 68702 70315 70344 70374 87769 89473 1069* 8966* 17900* 35117* 42095* 42618* 43898* 43907* 43910* 43918* 52400* 61058* 61063* 61093* 61094* 61097* 68791* 70211* 70318* 70489* 78301* 78313* 78322* 86639* 89472*
terminology 18186 52635*
Texas 8650
texture 2474 17899 18186 52396 44472* 52660* 61085* 61273*
Tropics 17962 18049 26073 35176 35370 78699 50621* 52391* 61051*
Tunisia 50604*
Turkey 43882*
types 18212 18504 18510 51100 52406 85768 26175* 35224* 44094* 50624* 61054* 94578*
Africa 35264 18161* 18191*
Alaska 18155
Albania 78517*
Angola 18147
Argentina 18158* 69507* 78478*
Arkansas 10242 61857
Australia 2181 2188 2215 9993 10106 10110 18209 18222 26029 26067 26183 35233 61301
Belgium 70445*
bibliographies 44076
Brazil 35261*
British Cameroons 61274
British Guiana 61272
Bulgaria 35096* 89491*
Burma 26174* 61296*
California 85767
Canada 51771 52642 70413 70420 70458 76186 78531
Cape Verde Islands 18194*
China 26185*
Colombia 2172* 78490* 89583* 89760*
Congo 10135*
Czechoslovakia 33521* 35239* 70452* 78507*
desert areas 61107
Elba 18189*
Ethiopia 44089
Europe 18224 18226 35230*
France 10134* 43278* 44087* 44104* 52647* 52659* 61092* 78411* 78479* 89606*
Germany 10149* 18545* 43977* 44081*
Ghana 10101 18196 44085 78474 78475
Great Britain 78485 82134
Great Plains 9331
Gulf States 43890
Hungary 2230* 44111*
Illinois 18501 44468 66746
India 9120 10122 18217 35234 35235 35247 78523
Indiana 35151 38002
Indonesia 61192*
Iowa 44073

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Item

Soils--Cont
types--cont
Italy 7635* 26148* 26149* 26150* 78473* 78522*
Ivory Coast 89599*
Japan 68195 78525 35237* 44118* 61589* 78506*
Kansas 42129
Kenya 18225
Louisiana 61857
Malagasy Republic 35262*
Mississippi 52665
Mississippi Delta 2196
Missouri 9997 57978
Nebraska 44073 52645
Netherlands 18214* 23415* 66664*
New Zealand 10003 44086
Nigeria 70471
North Carolina 70835
Norway 2204
Ohio 18198
Oklahoma 51757
Pacific Northwest 78495
Panama 17948
Peru 18156 10100*
Poland 10251* 18195* 26170* 70224* 70409*
Portugal 18162*
Rumania 44078* 44088* 53020* 89866*
São Tomé e Principe 18163
Sarawak 61309
Spain 18074* 52651*
Sweden 78484*
Taiwan 26373*
Tennessee 10260
Texas 10462 44082
Thailand 78514
Tropics 61343 [illegible]*
USSR 18132 18133 18202 18229 52646 89590 89609 18150* 18176* 26169* 26190* 26191* 26192* 35263* 44035* 52570* 52689* 60168* 61262* 61268* 61269* 61281* 70433* 78468* 78471* 78595* 79191* 85757* 89493* 89523* 89560*
Vietnam 26153*
Washington 78487
Yugoslavia 35256 61104 61159 61305 10133* 79205* 89743*
USSR 43960* 43993* 70474* 78435* 88978* 89510*
United Arab Republic 52552
Virginia 61038
vitamins 61113* 61200* 70373* 78426*
Western Hemisphere 26073
wilting coefficient 52418 61099 16730* 51020* 78308*
Yugoslavia 26134*
SEE ALSO Drainage; Fertilizers; Irrigation; Plants, indicator; Reclamation; Soil conservation; Soil erosion; Soil science; Tillage; names of soil conditioners, soil constituents, and kinds of soil; and UNDER specific subjects
Sokolov B P 41157
Soladulcidine 25240* 43012*
Solakrol 70198*
Solan 52313 52337
Solanaceae 17847
biochemistry 1369
diseases 476 16059 55401 67721*

Item

Solanaceae--Cont
morphology 42197* 59519*
pests 55401 67721*
pollen 59586*
Solander D 58506 67227*
Solanesol 1375 94084
Solanine 36946
Solanocapsin 69244*
Solanum
biochemistry 9238 16959* 34280*
Colombia 86503
cytology 24675*
genetics 33774 50887
hybrids 33774
pollination 82615
South America 86488
virus diseases 68000
Solanum aviculare 42978*
Solanum capsicastrum 69244*
Solanum carolinense 16601 16752
Solanum chacoense 77449*
Solanum dulcamara 25240* 43012*
Solanum elaeagnifolium 17715
Solanum famatinae 77449*
Solanum hendersonii 69244*
Solanum lycopersicoides 87434
Solanum melongena SEE Eggplant
Solanum nigrum 178 67427 42181*
Solanum ottonis 67438*
Solanum pseudocapsicum 25758 69244*
Solanum quitoense SEE Naranjilla
Solanum sodomeum 67427
Solanum stoloniferum 59713 42422*
Solanum subinerme 25908*
Solanum tarijense 42078*
Solanum tuberosum SEE Potatoes
Solar radiation 5869 10012 18410*
and building construction 13360 21700 21710 47554 21723* 30075*
and wood seasoning 2829 44964
effects on animals 3417 36383* 72850* 80243* 91705*
effects on plants 42820 59983 69089 71095 26599* 34199* 35869* 36383* 51452* 60161* 60234* 77467*
effects on rubber 66189
effects on trees 42913* 44891*
measurement 2778 15653
Solenia 15859
Solenobia triquetrella 5516*
Solenopotes muntiacus 92659
Solenopsis 55901*
Solenopsis fugax 5314*
Solenopsis saevissima 73795
Solenopsis saevissima richteri 28781 29010 55240 81409 82595 12347*
Solenopsis xyloni 47128
Solidago flexicaulis 73834
Solierella blaisdelli 82629
Solierella plenoculoides similis 82629
Solifugae SEE Solpugida
Solodized-Solonetz soils 70450 78442*
Solomit 64993*
Solonchak soils 17992 44115* 64501* 78325*
Solonetz soils 78442*
Canada 2430 50984 52384 52642 70410

Item

Solonetz soils--Cont
Ghana 44085
Hungary 52827* 70201*
South Dakota 18233
USSR 89590 2050* 2219* 2451* 9487* 10114* 18315* 26848* 43978* 44115* 52787* 52881* 60500* 61098* 70230* 70270* 70283* 70686* 89507* 88374* 89589*
Soloth soils 10114*
Solpugida 12761 29290 82163 82177 92326*
Solubea pugnax SEE Oebalus pugnax
Solva 5070
Solvents 6512 7066 14503 52505 85100 93916 34080*
Somatidia (Spinosomatidia) n n 92348*
Somatidia (Villososomatidia) n n 92348*
Somatochlora sahlbergi 29783*
Somatotrophin 37201
Sonchus 33716
Sonchus arvensis 43833 9876* 70088*
Sondrio Camera di Commercio Industria e Agricoltura 75049*
Sonoma 82271 82302
Sonoratyla n g 29301
Sooty-bark canker
Populus tremuloides 41794
Sooty blotch
apples 77156
Sophora 33607
Sophora japonica 60367* 65352*
Sophronica 46816* 46817* 92347*
Sophroniella 82224*
Sophronitis grandiflora 69833
Sophropompilus 82602
Sophrorhinus 81790*
Sopubia ramosa 9926
Sorbic acid
in cheese manufacture 13839*
in food processing 30286 74546 21776* 47647*
in fruit juice processing 48327 75192* 84389*
in wine manufacture 65323 56542* 65336* 83611* 83612* 83632* 83665*
Sorbitol 30348 93230
Sorbitol dehydrogenase 79859*
Sorbobium SEE Toxopterella (Sorbobium)
Sorbose 8717 9289 33904
Sorbus 29543
ecology 50601*
germination 10798*
taxonomy 41382 50050
Turkey 41382 86442*
virus diseases 42001*
Sorbus aria 29640
Sorbus aucuparia 36088 53661 86497 42133*
Sorbus caucasigena 81781*
Sorbus decora 71541
Sorbus domestica 87172*
Sorbus glabrata 59615*
Sorbus intermedia 35728 32745*
Sordaria brevicollis 77456
Sordaria fimicola 851 33581
Sore mouth
goats 46153
sheep 46153 12144* 12152* 81077*

Item

Sore mouth--Cont
sheep--cont
transmission 12143 81083*
virus 54929 81077*
Sörensen-Walker method 93323*
Sorgho
culture 69366* 69399* 69629* 88658*
disease resistance 868
forage plant 88496 60546* 69496* 69502* 69629*
genetics 868
harvesting date 17174*
varieties 51853
weed control 89388*
yields 51853
Sorghum 2360
abnormalities 24654
analysis and composition 39797 65849 14220* 30699* 48508* 65852*
anatomy and physiology 1183 1252 9041 9107 24965 51115 68527 69010 69063 33903* 69090*
bibliographies 88319
breeding 50898 69344 88446 69385*
Arkansas 9511
Hungary 69355* 77926*
India 25371
Italy 25306* 25356*
USSR 88381
costs and returns 88386
culture 69415
Albania 43279*
Australia 34428
Florida 17065 51674 52122
Hungary 69375* 69511*
India 9356 9490
Italy 88352*
Nebraska 88386
Nicaragua 69404*
Rumania 9387*
Sardinia 34484*
Senegal 34416*
Texas 9503 10181 25274
USSR 60407* 60579* 69366* 69399* 88539* 88681*
cytology 24624 33608 42307 50740 50741 59506
disease resistance 864 77098
diseases 33398 77210 86982*
enzymes 22466
feed 3399 12211 13897 19758 19759 20454 28433 36169* 45178* 71638* 81233*
fertilizers 18257
Arkansas 10176
India 35417
Nebraska 44220
Oklahoma 89772
Texas 10181 10182 18295
forage plant 9511 30699*
Hungary 69505* 69614* 70066* 77926* 77953*
Illinois 1473
India 9490
Minnesota 51792
Sardinia 33903* 34484*
Texas 9503 17158 17159
USSR 51768* 88502* 85539* 88681*
Wyoming 1607
fungus diseases 77098 41760*
Australia 86868
control 33201*

*Text of this reference is not in English.

Item

Sorghum--Cont
fungus diseases--cont
Japan 77113*
Republic of South Africa 407
USSR 58976* 86771*
genetics 864 874 917 8845 16493 24705 42415 59691
germination 1132 8952 16725 25056 42571 68988
hybrids 1132 42362 45514 59506 14220* 48508*
Australia 25302 43124 51671
Colorado 51665
Florida 9391
Hungary 88313* 88342*
India 25371 34450
Nebraska 51703
New Mexico 60437
Oklahoma 51631
Rumania 9387*
South Carolina 60413
Texas 9390 88366
USSR 60579*
injuries 29028
irrigation 9356 43708 51115 61007 78829 33903*
male-sterile 33608 42307 42362 77926*
moisture 19759
morphology 50741 59506
nutritional deficiencies 59988
pest control 12499 24150 81715
pests 81730
plant parasites 9209 16776 52245 89392
planting 25334 25372 83074 88347*
planting date 9390 51675*
pollen 42307 69344
prices 84432
processing 13897 20454 84460 84492
proteins 65852*
residues 52877
seeds 1132 1495 88386 33201* 69090*
situation and outlook 84426*
soils 51625 68527
spoilage 22532
spraying and dusting 29028
statistics 14257 31204 65895
storage 73346
utilization 60407* 88352*
varieties 33608 72046 60590*
Alabama 9474 51649
Arkansas 9511
Florida 51674
Georgia 51647
Illinois 1473
India 88440
Kansas 60444 60473
Kentucky 69414
Mexico 77869*
Mississippi 17187
Missouri 43115
Nebraska 51703
New Mexico 60437
North Carolina 51655
North Dakota 60466
Oklahoma 51634
Texas 17157 88366
USSR 69399*
Wyoming 1607
weed control 43708 61007 70066*
yields 9107 68527
Alabama 51649
Colorado 51665

Item

Sorghum--Cont
yields--cont
Illinois 1473
India 25334
Kansas 60444 60473
Kentucky 69414
Mississippi 17187
Missouri 43115
Nebraska 44220 51703
New Mexico 60437
North Carolina 51655
Oklahoma 51634
Poland 88333*
South Carolina 60413
Sudan 52245
Texas 9390 10181 10182 17158 17159 51625 88366
USSR 88347*
Wyoming 1607
SEE ALSO Broomcorn; Durra; Kafir; Milo
Sorghum almum 1552 43246
Australia 9499
culture 17155
Nebraska 60562
seeds 66191
yields 25436
Sorghum australiense 24569
Sorghum halepense
control 1144 17740 70073 70091 89368 89317*
cytology 87470
fertilizers 10160
genetics 865
hybrids 25436 60579*
morphology 778 779 8753
Sorghum midge SEE Contarinia sorghicola
Sorghum sudanense SEE Sorghum vulgare sudanense
Sorghum vulgare SEE Sorghum
Sorghum vulgare roxburghi SEE Shallu
Sorghum vulgare subglabrescens SEE Milo
Sorghum vulgare sudanense
anatomy and physiology 1258 1554 60039 87758 34014* 68934*
bacterial diseases 86982*
biochemistry 9305
breeding 1540*
culture 43270* 43279* 60549* 60574* 60579* 88658*
drought resistance 69038*
fertilizers 1258 1540* 25455* 68934*
forage plant 71638*
harvesting 9489
harvesting date 1540* 17174*
hybrids 869 25436
male-sterile 869
Michigan 17169
planting 1554 25455*
seeds 869 17174 69038* 69556*
soils 10235*
USSR 60546*
yields 1554 25436 10235* 69038*
Sorghum vulgare technicum SEE Broomcorn
Sormida 92347*
Sormite 83061*
Sorocea 41372
Sorosporium holci sorghi 41867 33295* 33296* 41868* 67927* 86889*
Sorosporium melandryi 24381*
Sorosporium reilianum 59010* 67946*

Item

Sound
effects on animals 12035 55060* 63111*
effects on insects 24194 82083 82495 21448*
production by animals 12730 12739
production by equipment 53509 13264* 17448* 38639* 47361* 56203*
Sound (veterinary equipment) 19924*
reviews 62925*
Soups 74507 83377*
Sour cherry yellows 548 549 cherries
Sour rot citrus 41890
Soursop 9195
South R Moths of the British Isles 5366 13003 64615
South African Council for Scientific and Industrial Research 86059
South African Lumber Millers' and Shook Manufacturers' Association 79504
South African Republic SEE Republic of South Africa
South African Sugar Technologists' Association 85071
South African Wool Commission 65651
South African Wool Textile Research Institute 84112
South Australia Dept of Lands Land Development Br 85675
South Australia Institute of Medical and Veterinary Science SEE Adelaide Institute of Medical and Veterinary Science
South Australia Woods and Forests Dept 18704
South Carolina Agricultural Experiment Station
report 15605 15606
South Carolina Clemson Agricultural College
Extension Serv 18643
report 58187
South Carolina State Commission of Forestry 90037
South Dakota Academy of Science 32609 58383
South Dakota Agricultural Experiment Station
North East Research Farm (Watertown) 60389
report 49890
South East South Dakota Experiment Farm (Beresford) 60390
South Dakota State Horticultural Society 17291
South Dakota State Weed Board 9915
South Island Dairy Association 6278 93348
South London Entomological and Natural History Society 63706
South Pacific Commission 32510
South Puerto Rico Sugar Co 85072
Southbya tophacea 8273
Southeastern Pecan Growers Association 1748
Southeastern Seminar on Atomic Progress in Agriculture 49770
Southeastern Turfgrass Conference 25780
Southern armyworm SEE Prodenia eridania
Southern California Floral Association 66303

Item

Southern cattle tick SEE Boophilus annulatus microplus
Southern Conference on Forest Tree Improvement 61931 61953
Southern Corn Improvement Conference 1509 88437
Southern corn rootworm SEE Diabrotica undecimpunctata howardi
Southern Hardwood Forestry Group 18644
Southern house mosquito SEE Culex pipiens quinquefasciatus
Southern Pasture and Forage Crop Improvement Conference 25486
Southern Pine Association 18632 18639 19193
Southern pine beetle SEE Dendroctonus frontalis
Southern red oak SEE Quercus falcata
Southern Rhodesia Dairy Marketing Board 47975
Southern St Lawrence Forest Protective Association 44881
Southern States Cooperative 32332
Southern Weed Conference 43785 43810 52302
South-West Africa Dairy Industry Control Board 93287
Southwest Animal Health Research Foundation 36236
Southwestern corn borer SEE Zeadiatraea grandiosella
Southwestern Irrigated Cotton Growers Association 56920
Southwestern pine beetle SEE Dendroctonus barberi
Southwestern Social Science Association
Agricultural Economics Sect 75843
Southwide Pine Seed Source Study 61964
Soveschanie po Otdalennoi Gibridizatsii Rastenii i Zhivotnykh 24757*
Sovkhoz SEE State farms
Sowing SEE Seeds, planting
Soy sauce 31422 75569*
reviews 13675
Soybean Blue Book 66100
Soybean bran 62310
Soybean Council of America 7094 67084
Soybean flakes 7030 7080 19736 27624 45491
Soybean flour 48767 49735 58349 67133 84809
Soybean meal
analysis and composition 31404 22657* 7076
contamination
feed 3865 11488 11512 11868 11879 11924 22139 28188 28232 28592 30730 45530 45849 45909 45922 55013 63242 80763 80764 36987* 39414* 45919* 62673* 63582* 72583*
hydrolysis 84796*
nutritive value 11516 30697 45226 49736 58349 71697
processing 11924 20177 30697 30730 57370 71697 31364* 39414* 75543*
situation and outlook 66114
Soybean milk 48783
feed 20472
manufacture 48738 48763

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Item

Soybean milk--Cont
nutritive value 15480 49723 49734
products 14450 84849
Soybean oil 45901
analysis and composition 84798
defects 7102*
discoloration 84827
extraction 14503 57332
feed 45934 72498 72501 20986* 91458*
flavor and odor 22660 48748 75517
irradiation 84827
oxidation 48748
storage 14466*
trade 23587 15371*
utilization 22673 22738
Soybeans 1634 7098 60596* 75561*
acreage and area 57399 93942
advertising 7094 48822
analysis and composition 7030 14476 31372 52501 84823 84849 84833*
anatomy and physiology 1089 1167 1272 8905 9001 15987 16719 16765 24920 24971 24996 25129 25147 33580 50951 50979 50994 51203 51402 51420 59868 59879 68529 68879 75549 77636 77642 87965 88055 1048* 1109* 1202* 9134* 16618* 25032* 25139* 51049* 59824* 59875* 77683* 77754* 87666* 87682*
associations 7049 31392
biochemistry 1320 1363 9319 16946 51454 77817
breeding 1637 17224 24971 69638 69640 69650
research
statistical methods 69637
conferences and congresses 48749
cooked 48750*
costs and returns 32056 49299
culture 1634 52858 69318 43312*
Alabama 1639
Arkansas 60598
Brazil 69649*
desert areas 69644*
Germany
East Germany 43318*
Kentucky 51815
Louisiana 77976
Maine 88714
Mississippi 34542 51812
North Carolina 17233
Rumania 88658*
Southern States 34544
Texas 77979
USSR 18554* 51783* 60540* 69618* 89234*
Washington 51822
Yugoslavia 1643*
cytology 24622*
disease resistance 69633
diseases 570 24119* 33407*
drying 14449
ecology 632 33560 59824*
enzymes 16946 66129

Item

Soybeans--Cont
equipment 74000
fat and oil content 939 1637 20164 69638 87550
feed 3374 3797 3866 4202 4213 4217 11512 20154 20164 27658 28207 28613 45900 45901 46206 54734 54735 63431 72545 91390 91449
fermentation 48764
fertilizers 10244 44236 52501 61353 61420
Arkansas 52757
Missouri 78748
forage plant 2275* 27614* 45497* 69598*
USSR 51772 51783 60540* 69618* 69623*
fungus diseases 400 401 15987 16050 50398 50429
control 33227* 33333*
Yugoslavia 86733*
genetics 885 912 939 16416 16436 16452 24712 50878 59697 68436 59722* 68509*
research
statistical methods 24711
germination 9001 51210 59879 68918 87550
harvesting 5749 51812 52817 60597 83117
hulls 31404 45491 84845
hybrids 42443 43643* 59722*
industry 40056 66100 66121 75599 93939 57397*
inoculation 42059
irrigation 51203 18554*
losses 60597
marketing 7388 48815 51812 66137
mechanization 82959*
morphology 33613
nematode resistance 69633
nematodes 621 24456 24459 42059 42062 50530 77275
control 50532 50538 50562
nutritive value 32464 32474 49738 55030 48750* 86068*
pest resistance 12526
pests 92070 13019*
China 37691*
Delaware 12440
Italy 46489*
Japan 12482* 12499* 63935*
planting 51819 60604 69647 1202* 51823*
planting date 25500 34543 69647 88720
policies and programs 56331
pollen 88078*
pollination 16436
prices 7050 22690 48765 57187 84842
processing 4213 7068 7080 11512 28613 45900 48818 55030 57332 63431 48819*
conferences and congresses 14498
products 48822 75561*
Benelux 7071
conferences and congresses 48749
Europe 57381

Item

Soybeans--Cont
products--cont
India 57343
Indonesia 48818
Italy 66126
Japan 57346
Near East 57343
properties 31338 31420
proteins 885 939 1637 4202 4217 9319 11924 37388 48766 48767 49721 63431 69638 77549 80739 84849
research
statistical methods 69639
seeds 912 939 22802 69400 75599 88234*
situation and outlook 7107 56331 57134 66115
soilless culture 51210
soils 52594 78408
spraying and dusting 33227*
statistics 48788 57389 57399 93942
storage 51812
trade 7846 23616 41014 49579 49598 49632 67044 67064 67084 15371*
Asia 41014
Europe 15371*
Germany 67044
Japan 23616 49579
Scandinavia 67084
utilization 22666 48764 48766 48767 57397*
varieties 16452 33560 60604 61353 88055
Arkansas 34541
Brazil 43313*
China 43315*
Czechoslovakia 77981*
Delaware 51813 69633
Far East 69598*
Indiana 9520
Japan 59875* 69641*
Kentucky 51815
Lake States 632
Louisiana 1636
Maine 17224
Maryland 51818 88720
Mississippi 17226 17228 25500
Missouri 51827
Rumania 51821*
South Carolina 88723
Washington 69647
vitamins 31420
waste 19736
weed control 1957 17800 17801 25912 43731 60968 70089 78202 78228
Arkansas 25899 52209
Hungary 43826* 70023*
Mississippi Basin 52257
yields 10244 22654 52501 57399 61420 93942
Arkansas 1635 34540 34541
Germany
East Germany 43318*
Kentucky 51815
Louisiana 34543
Maryland 51818 88720
Mississippi 25500 34542
Rumania 51823*
South Carolina 88723
Southern States 34544
Washington 69647
Yugoslavia 87682*
Soymida febrifuga 59389
Space biology 5583
Spadone clover 17185*

Item

Spaelotis ravida 5415 5473
Spain Consejo Superior de Investigaciones Cientificas 32675*
Spain Serv de Plagas Forestales 81912*
Spania 73695
Sparganium 102 87183*
Sparganium erectum 59244
Sparganothis 5482 20591
Sparganothis pilleriana 82780
Sparganothis sulfurana 4708
Sparmannia 25102*
Spartina 681
Spartina townsendi 1060
Spartium junceum 16401* 32986* 59436*
Spartocytisus filipes SEE Cytisus filipes
Spathimeigenia spinigera 82436
Spathipappus n g 32724*
Spathiphyllum 8195
Spathius 73791*
Spathodea campanulata 77532*
Spatocentrus n g 47115*
Spaying
cattle 54430 72092* 91010* 91064* 91103*
rats 36932 36933
sheep 20408
swine 81256* 91872*
Spearmint SEE Mentha spicata
Spearmint oil 31361 31410 84829
Special School Milk Program 6259 6267 6276 39300 47967 65449 74799
Specialized farming 31916 57732* 85537*
Czechoslovakia 66425* 66709*
Germany 40545* 49216* 49241* 57981*
East Germany 76200* 94367*
Hungary 49261* 66879* 76209*
Italy 85553*
Japan 7602 23284*
Poland 94447*
Rumania 85759*
USSR 1425* 1444* 14954* 14972* 14989* 14992* 15004* 15006* 15030* 15039* 15052* 15140* 23239* 23269* 23273* 23303* 23311* 31979* 39904* 40551* 40615* 56928* 57944* 57975* 66637* 66669* 76112* 85512* 85540* 85545* 85549* 85568* 94399* 94400*
USSR bloc 76081*
Species concept 930 29272 46927 76907 76918 86387 37957* 37958*
Specific-pathogen-free animals SEE SUBHEAD germ-free UNDER Insects; Laboratory animals; Livestock; Poultry; Swine
Speckle
bananas 381 436 471 86892
Speckled alder SEE Alnus rugosa
Spectrochemical analysis 1067 18033 84087 10056* 35164* 78401*
Spectrographic analysis 5929 5936 2144*
in animal research 72157 80620*
in cellulose research 71582
in fats and oils research 74710 93903 31398* 75565*

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Item

Spectrographic analysis--Cont
in meat research 14352 84605*
in plant research 16611 21796 77762 77827 79672 88100 1402* 43015* 83368*
in soil research 18136 35179 61142 17967*
in starch research 74398*
in textiles research 6585
in wood research 10948 71586
Spectrometry 9273 48640 52524 20571* 69242* 78402*
Spectrophotometry 65416 65954 65069*
in animal research 36242 62754*
in cellulose research 93518
in cider research 48327
in coffee research 6143
in dairy research 13767 39257 93302
in fats and oils research 7040 22243 48759 48761 48785 48801 7077* 31408* 56556* 84797* 84806*
in fertilizer research 18602 26636
in food research 65066 65709 65723 39157*
in fruit juice research 30957* 39649*
in fruit research 30958
in insecticide research 81437 91987
in meat research 48635*
in nematode research 16187*
in plant research 9240 34274 52524 58485 1373* 24899* 51565*
in pulp and paper research 2916 90418 36041*
in seed research 57468
in soil research 78334 78363 17921*
in tobacco research 22911
in wine research 65303* 65304* 83665*
in wood technology 2987
Speculitermes 21503
Speculitermes deccanensis 82902
Spegazziniella 32941*
Spelaeoniscus 21080*
Speleognathidae 46782
Speleognathopsis michigensis 46786
Speleognathopsis strandtmanni 21047*
Spelt 24731 77289* 91801*
Spercheus 46894
Sperchopsis tessellatus 46895
Spergula 16224
Spermasol-milk 3022*
Spermathecae 5640 21152 12764*
Spermatocytes 21464 38213 82829 38027* 38213*
Spermatogenesis
arachnids 4956 82147 82197 92339*
insects 5591 21240 29475 38165 64445*
Spermatophores 38119 38574 38060*
Spermatophyta
anatomy and physiology 15646 16813* 25000* 34138* 59440*
Belgium 41370
biochemistry 34312
Chad 86445*
ecology 49961
Ethiopia 41376*
fungus diseases 8311 8535

Item

Spermatophyta--Cont
genetics 8837
Germany
East Germany 86400*
Great Britain 8243 86500
Himalayas 76946
Mexico 86482
Michigan 32857
Morocco 86410*
morphology 59352*
nomenclature 163 8244
bibliographies 77
Oregon 86489
Pacific Northwest 76943
Poland 32843
taxonomy 76927 50036* 86502*
reviews 58678*
USSR 15710*
West Africa 8190
Spermatozoa 27206 27208 27220* 53751* 71628*
arachnids 46802 55670
buffaloes 63398 62599*
cattle 3295 19640 27521 27529 27586 36423 36459 45405 46079 54306 62623 71629 71630 71966 80003 80045 80086 3276* 11442* 27573* 36410* 45403* 54120* 80047* 90812*
viability 80054* 80064*
dogs 71629 71630
goats 63398
guinea pigs 36925
horses 90508*
insects 4860 5178 21140 29450 29459 37969 38158 55772 55803 64702 73717 73733 29220* 64481*
mice 20103 54665
minks 28071*
poultry 20123 20140 28173 54665 71629 71630 72469
rabbits 20320 37144 46081*
sheep 20320 20331 71629 71630 90508*
swine 12183 12188 28557 28572* 72924* 90508*
turkeys 91374
viability 36157* 79640*
Spermolepis 76977
Sperulites 20994*
Sphacelariales 60064
Sphacelia segetum 42554*
Sphaceloma ampelinum SEE Elsinoe ampelina
Sphaceloma fawcetti scabiosa 24265
Sphacelotheca reiliana 50318 67843 86858*
Sphacelotheca sorghi 407 864 77098
Sphaenelater 82264
Sphaerella musae 361
Sphaerellaceae 33910
Sphaerellopsis hyalina 15841*
Sphaeridiotrema spinoaceta-bulum 20197
Sphaerioninae 5014
Sphaerita 67889*
Sphaerites 82209*
Sphaeritidae 82209*
Sphaerocarpus donnellii 68844 68845
Sphaeroceridae 38229
Sphaerodema annulatum 92512
Sphaeroderma rubidum 55493*
Sphaerodothis 32977*
Sphaerogalumna n g 29283

Item

Sphaerolecanium prunastri SEE Lecanium prunastri
Sphaeroma hookeri 10947*
Sphaeromiini 64464
Sphaeronema n g 41524
Sphaerophorus melanocarpus 76901*
Sphaerophorus necrophorus 28080 81109*
Sphaeroplea 67577*
Sphaeropsidaceae 86550*
Sphaeropsidales 32943*
Sphaeropsis 8284*
Sphaeropthalma (Photopsis) 82596
Sphaerostilbe repens 32966
Sphaerotheca 24098
Sphaerotheca fuliginea 86939*
Sphaerotheca humuli 466 67813*
Sphaerotheca macularis 58988 67780 86881
Sphaerotheca morsuvae 33331* 86778*
Sphaerotheca pannosa 391 8548 24260 492* 41804* 50413*
Sphaerulina 275* 8298*
Sphagnum 52514 71234 16235* 32883* 71158*
Sphagnum pylaesii 24035
Sphagnum riparium 67534
Sphagolestes SEE Othoniomyia (Sphagolestes)
Sphecelia segetum 59839*
Sphecidae
as predators 5301 81987*
Asia 12961*
Congo 73783*
Crete 21318*
Europe 21333
Great Britain 73789
habits and behavior 5288 55882 55884 82608*
Iraq 38364*
Lebanon 5317*
Mediterranean area 21317*
Mexico 5308
Netherlands 55874*
Nigeria 21335*
nomenclature 55896 55905
North America 12952 82584
parasites 5139
Spain 29604*
taxonomy 55878 64538 82582*
United Arab Republic 5316* 82577*
Sphecinae 73783*
Sphecodes fuscipennis 29578* 47065*
Sphecoidea 29624
Sphegidae SEE Sphecidae
Sphenolepis pygmaea 38371
Sphenolobus 32895
Sphenoptera deducta 29370
Sphenoptera gossypii 81661
Sphenoptera lutschniku 63945*
Spherulites 20994*
Sphex 55896
Sphex (Chlorion) SEE Chlorion
Sphex tepanecus 55884
Sphingidae
collecting and preserving 73829
food and host plants 55924 82804
Germany 82701*
Great Britain 55953 64593
habits and behavior 5527 21012
nomenclature 47131
nutrition 82804
Peru 38473
rearing and breeding 82804

Item

Sphingidae--Cont
Scandinavia 29729 5492*
Uganda 21012
Wisconsin 55924
Sphyracephala brevicornis 55799
Spices 6130 7963 94101
advertising 65347
analysis and composition 22702 93206 83640*
cookery 49670 58336
extracts 30365 30372
flavor and odor 21946
history 13611 30400
keeping quality 21946
microorganisms 83691 47646* 84619*
processing 21946 65351
situation and outlook 13637 30400 56567 74594 83301
statistics 65334
utilization 13664 84757*
SEE ALSO names of spices
Spider mites SEE Tetranychidae
Spiders
abnormalities 4905 29304 55683
Africa 73552*
anatomy and physiology 21045 55665 82117 82176 12795* 21057* 64305* 73541*
Arkansas 82143
as feed 13014 55632
as predators 81728 81968*
Austria 82186*
Belgium 38039* 64298* 82158*
beneficial 64047 81663
bibliographies 46778*
bites 28866 55330 73140 20617* 37512* 37515* 46416*
Canada 21045
Central America 38016 82142
collecting and preserving 4932 64295 73549 73550 21004*
collections 64292 82184*
control 20676* 55323*
cytology 46797 46805 55703 64316 82197 86098
Denmark 29284
development 21054* 29303* 55662*
ecology 37959 38018 12771* 38029* 55678*
eggs 82160*
France 4914* 64282*
Germany 29285* 38011* 38012* 55656* 82204*
Great Britain 4913 4939 38033 64283 73551 73589
habits and behavior 4944 46792 82205 4911* 29298* 38021* 55676* 82121* 82132*
identification 46806
India 4959 46805 64316 73583 82201
Japan 55681 82180 82207*
life histories 21045
Malagasy Republic 38021*
metamorphosis 55662*
Minorca 21043*
Neotropical Region 29288*
nests 4946
nomenclature 4912 55655 64306 12787* 92333*
North America 82142
Northeastern States 64543
numbers 73542

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Item

Spiders--Cont
oviposition 82132*
Poland 38052*
populations 4953 81728
predators 29727 64540 64543 82635 55907*
prey 64047 81968* 82146*
protective devices 73583
rearing and breeding 28806* 33010*
Scotland 64278 64312 73507
smell 4925*
South America 82142
Southeastern States 73564
Sweden 4923*
taxonomy 4960 82142 82164 82180 82183 82201 29299* 38022* 46796* 55664* 55674* 55680* 82118* 82119* 82125* 82135*
types 82182*
venom 20686*
vision 55683 82146*
webs 4944 55660 73583 4931* 28806* 29298*
Yugoslavia 55711*
Spigelia 41418
Spigelia duseni 58708*
Spike
Santalum 557 51133 77650
Spilarctia 38515*
Spilarctia karakorumica 92581*
Spilochalcis albifrons 64608
Spilochroa 5148
Spilococcus 21275
Spilodia SEE Lophyra (Spilodia)
Spilomena 55891 73783*
Spilonota ocellana 20814*
Spinach
analysis and composition 22344 56974 56975 75107*
anatomy and physiology 1246 8897 16650 24829 42644 51113 60096 87612 87754 87991 8944* 8983*
biochemistry 16981 25221 34249 43037 69199 77804 88150 88169 1350* 9249* 42951* 60311* 69253*
breeding 89123 89219
color 75124 75236
culture 17624 34895 61337 69917 34930* 43616*
cytology 42228 68406*
enzymes 56974 56975 75227
feed 81204*
fertilizers 8897 61337 69917 8944*
frozen 14065* 65718* 84201*
fungus diseases 8534 59013
germination 52146*
harvesting 65718*
hybrids 89219
keeping quality 22397 75227
morphology 87295
pests 92463
processed 75124 75236 39699* 65718*
quality 39699*
seeds 8983*
storage 75227
varieties 52070 52146* 89219*
virus diseases 37682 46459*
weed control 78217*
yields 34930*

Item

Spinacia SEE Spinach
Spinal column
cats 54531
cattle 80001 11603* 53341* 72101*
dogs 3665 20014 63047 72320 72332 3686*
horses 72425
rabbits 46092*
swine 72101*
Spindle tuber
potatoes 565 50500
Spinellus 267*
Spiniphora 12863
Spinisotoma 21512
Spinning 13976 13988 13993 30798 56887 65630 65645 14006* 22204* 30853* 39486* 39552* 48172* 74976* 75009*
equipment 6455 6491 22238 56907 65617 65636 93502 14004* 30888* 39543* 48270* 56908* 65643* 74996* 75024* 75046* 84035* 84096* 84101* 84105*
Germany 39510*
Great Britain 22253
history 75024*
Hungary 48270*
Netherlands 74974*
study and teaching 75028*
SEE ALSO UNDER names of fibers
Spinosella SEE Sminthurides (Spinosella)
Spinosomatidia SEE Somatidia (Spinosomatidia)
Spinosophroniella n g 82225*
Spinturnix vespertilionis 29307
Spiracles 5630 12882 21018 64423 4858*
Spiraea 21301*
Spiramycin 3955 20228 45990 55012 63230*
effects on poultry 91428* 91462*
Spiranthes 89093
Spirits SEE Alcoholic beverages
Spirobolidae 29305
Spirobolus 29305
Spirocerca lupi 54503 80545 45746*
Spirocerca sanguinolenta 11776*
Spirocercosis SEE Esophageal worms
Spirochetosis 92038 54504* 55318* 55328* 63873*
Spirodela oligorhiza 16567 50025
Spirogyra 32922* 42250* 77674*
Spirogyra punctulata 87373
Spirogyra salina 87491
Spirogyra weberi 16317
Spirotrypan 11587*
Spirulina 24068
Spirulina albida 67560*
Spissistilus festinus 92070
Splachnum ampullaceum 781 42901
Spleen
cattle 80255 80407 27843* 36577* 45641* 80463*
dogs 11770* 20027* 54574* 63087*
mice 91348
mules 45844*
poultry 91507 45976* 80831*
rabbits 46091*
swine 91888 28641*
Splendoroffula 47246*
Splints 54520 54529 80549 91214
Splints (disease) 72428*

Item

Spodoptera exigua 29039 82750 82779 20772*
Spoil banks SEE Strip-mined areas
Spondylinae 82293
Spondylocladium atrovirens 33300*
Spongioblastoma 54567*
Spongiochloris 41510
Spongiococcum 41510
Spongospora subterranea 767
Spontaneous combustion SEE UNDER Feed; Fertilizers; Grain; Molasses
Sporadic bovine encephalomyelitis SEE Encephalomyelitis, cattle
Sporidesmin 37268 63496 68992 72863 77021 81094
Sporobolus 251
Sporobolus poireti 29901
Sporobolus vaginaeflorus 16214*
Sporodinia SEE Syzygites
Sporormia corynespora 32953
Sporotrichum 32978*
Sporotrichum martinekii 32998*
Sporotrichum schenkii 53561
Sporting goods 11090 45111
Spotted wilt
redpeppers 50517
tomatoes 16114 16115 24435 29033 29034 42032 77257 82905 81653*
Sprays and spraying 41621 58830 67676 8352* 74179*
adjuvants 17104
analysis and composition 67761*
application 28873 33072 50194 50249 55532 81604 81910 24143* 37502* 46330*
Australia 326
calendars and programs 20769 29104 37708 63779* 63990*
Austria 67709 67730*
California 86616
Canada 12563 12564 41597 41598 64000
Connecticut 77077
Florida 15896 33059
Georgia 41693 41704
Germany 86659*
Kentucky 67738
Michigan 50205
Minnesota 12622
New Hampshire 41667
New York 81758
Oregon 41672 41673 46543
USSR 20806*
concentrated 46601 67714 67715
costs 18606
deposits 55428 58830 64925* 77059*
equipment 5800 5803 8539 13294 13304 15873 21663 23767 28783 29987 44774 46333 56217 56219 56224 56232 63966 73091 74193 81394 81604 81624 81859 83165 83169 83171 83176 92243 13297* 13299* 20735* 29985* 37487* 41619* 56218* 56223* 64925* 64936* 74179* 74180* 83175*
Australia 15924
Austria 67753*
Bulgaria 92915*
California 38744
Canada 83168

Item

Sprays and spraying--Cont
equipment--cont
Ceylon 56220
Colombia 29984*
France 92911*
Germany 56227* 56228* 56230* 64114* 64928* 74181* 83170*
East Germany 38750* 56221* 56233*
Great Britain 5804 13300 47467 74186 38749*
history 21662
Italy 13296*
Japan 47478* 83172*
maintenance and repair 47466 47482 38748*
Netherlands 5805*
New Zealand 47464 47465 47480
Norway 44759*
operation 47466 74183 47473* 47475* 47477* 74178* 74182* 92914* 92917*
Oregon 67970
parts 47470 55196* 73102* 74178* 74184* 92910*
Poland 38745*
Rumania 92912*
Tanganyika 83177
tests 4748 47474 56223* 64930* 74185*
Tropics 83167*
types 12523 46601 55174 55291 81452 55196*
USSR 63812 13301* 28097* 29988* 29989* 64927* 64935* 74190* 83164* 83173* 83178* 92913*
formulations 33094 67681 81439
France 37502*
hazards and safeguards 1919 41605 74192 47270*
Iowa 67669
low-volume 47474 63740 55443*
oil 67737
particle size 55174 64932 73091 81910 25881* 25935* 55419* 63941* 74176* 92064*
residual effectiveness 4327 41621
residues 46318 46328
statistics 86710
technique 47475* 56230* 56234*
tests 5799 12642 74189*
USSR 8383*
SEE ALSO Dusts and dusting; Fungicides; Growth substances; Herbicides; Insecticides; names of sprays; SUBHEAD UNDER Aircraft; and SUBHEAD spraying and dusting UNDER specific subjects
Spreading decline
citrus 8626 33443 42070 50559
Sprehn C 94880*
Spring black stem
alfalfa 24199
red clover 24199
Sprinkler irrigation SEE Irrigation, overhead
Spruce SEE Picea
Sprue 63078
Spur blight
raspberries 15977
Squalene 60278 31342*
Squamicola SEE Eutrombicula (Squamicola)

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Item

Squash
analysis and composition 75112
biochemistry 77809 88149*
breeding 25830
culture 34924 89182*
for processing 34885
34886
packing 39641
pests 28954
pollination 29212
storage 57086
virus diseases 33399
vitamins 30945 31048
weed control 17811 82957
Squirrels 2762 44872
73562 79365 79366
Sredneaziatskoe Planovo-Metodicheskoe Soveshchanie 15948*
STA 89311 70072*
Stables 30036* 47534* 83155*
Stachybotrys 15854
Stachybotrys atra 51508
Stachybotrys aurantia 32939
Stachybotrys toxicosis 11614*
11616* 11706* 54334*
Stachyose 24935* 33992*
Stachys 8183*
Stachys palustris 73605
Stachys sylvatica 60104*
87879*
Stachytarpheta 8235
Stactobia 82864*
Stactobia delamarei 82864*
Stadt und Land 32267*
Staggers 11222*
horses 54618*
sheep 12132* 63525*
72828* 81042*
Stagonomus bipunctatus 47046*
Stagonospora 299 8300*
Stagonospora sacchari 50357
Stahlin A 86182 88629*
Stain technology
in animal research 3451
3973 20377 27521
27761 56710 62389
62481 72227 74695
90700 19892* 36620*
36244* 53931* 54267*
54362* 72129* 72767*
80689*
reviews 62936
in entomological research
4879 5102 12726
46301 63705 82102
12717* 46791* 64222*
in fiber research 22200
in meat research 6906*
14342* 31243* 65994*
65996* 66004*
in milk research 6231
in plant research 15
833 840 15631
23905 24656 24660
31170 34285 41311
50666 50764 58557
59496 67340 76851
16338* 24313* 41302*
76624* 76823*
in seed research 10754*
in soils research 61236
in wood research 79560
Stakes 43521 44969 51778
53558 60822 13202*
29906*
Stalinabada n g 38289*
Stalk rot
corn 12451 16095 41797
41950 43141 67950
77076
Stallions 91296
anatomy and physiology 80649
and heredity 54604
Canada 54608
care 36883

Item

Stallions--Cont
diseases 63159* 72389*
72392*
fertility 3737 3026*
45818*
pedigrees 36881*
Poland 66024* 80614*
records and testing 54603
80608 45820* 72396*
selection 54604
Sweden 80612*
Stalls 30060 56272 74267
30062* 38821* 38831*
65009* 74278* 92959*
Austria 56280*
Denmark 83240*
Germany 5831* 5844*
38803* 64991*
East Germany 74288*
Norway 54208*
Stam F-34 25884 70039*
Standard of living SEE Cost and standard of living
Stanford University
Gautier Herbarium 23900
Stapelia 8875 73673
Stapelianthus pilosus 32798
Staphylea pinnata 32767*
Staphyleaceae 136
Staphylinidae
Afghanistan 5032*
Africa 82291*
Albania 48892*
Caucasus 38147*
Chile 12819
Congo 82283 82292*
Czechoslovakia 21150
eggs 21139
Ethiopian Region 64339*
64340*
Europe 46854*
Germany 46840*
Great Britain 73594
73614 73645
habits and behavior 63949
73594 73640
Japan 29405 55761
92416
Mediterranean area 38090*
92408*
Poland 92411*
Scandinavia 92369*
Senegal 82256*
Southeast Asia 55717
taxonomy 46893 73620
73646 21091* 46860*
82255* 92406*
Staphylococcosis SEE Arthritis
Staphylococcus 36218*
cattle 11567 11628 19820
19908 36554 36559
36638 36702 36739
62829 72243 80220
80271 80437 3438*
6977* 11664* 36685*
54432*
dairy products 6305*
13744* 74699*
dogs 28017 63072
food 38895 38900 47650
21902* 30218*
goats 37226
in food processing 22634
livestock 3549 11226
36253 53858 19430*
62365*
man 3549 19430*
meat 48719 84616 66007*
milk 36702 74708 80280
83799 93312 30520*
56652* 80438* 93315*
poultry 28330
poultry meat 84912
rabbits 6977*
ruminants 79796
sheep 28496 37273*
swine 6977*
Staphylococcus aureus 15647
cattle 19917 36575
54387* 91078*

Item

Staphylococcus aureus--Cont
dairy products 56636
56647
food 83510
milk 65407 83775 83776
91081
swine 73031
textiles 65633
Starches 21773*
analysis and composition
38893 38903 38904
38909 47651 56343
75256 93044 5947*
21778* 31159* 74398*
83339*
bibliographies 13437*
reviews 74424
bacteria 13440
chemistry 5931 13440
38904 47663 56350
56362 83358 85100
93042 6784* 39058*
56339* 56348* 56349*
84207*
damage 6791 57192
22510* 65910* 75333*
75334*
determination 48947
22323*
enzymes 1390 60349
hydrolysis 38887 5938*
21783* 56346* 75733*
90895*
hydrolyzates 6039 38893
22633* 24845*
in animal nutrition 11333
11512 28488 53947
62311 81008 11195*
80128* 90895*
industry 56326*
processing 6039 11333
47788 56343 56459
84492 6748* 39035*
56460*
products 39058*
properties 5949 38904
48556 93735 6784*
21798* 75100*
statistics 83581
trade 58288*
Europe 7910* 23632*
Germany 58280* 76563*
utilization 65931 84348
74444*
vitamins 30949*
waste 47775*
weight and measurement 65146* 65169*
SEE ALSO kinds of starches; and UNDER specific subjects
State Bank of India 49033
State farms
accounting
Czechoslovakia 85641*
USSR 40633* 40639*
40641* 57998* 66727*
66728* 76227* 76235*
76238*
Arctic Region 49178
China 78794 31956*
costs and returns
Czechoslovakia 85641*
Hungary 76285*
Poland 7658* 48726*
USSR 49178 14988*
23238* 31979* 66669*
76090*
Czechoslovakia 80333*
Estonia 66679*
Germany
East Germany 89183*
Hungary 93061 28730*
70775* 83398*
India 80042
labor
Czechoslovakia 31756*
Poland 14778* 66479*

Item

State Farms--Cont
labor--cont
USSR 57769 14748*
14779* 14797* 23077*
23116* 31769* 40414*
49089* 57767* 66449*
66450* 66467* 67109*
75928* 85314* 85321*
94222* 94259*
Latvia 23258*
legal aspects 7576*
management 7618*
Estonia 63695*
finance
Hungary 7368*
USSR 14689* 31699*
40291* 40298* 66387*
75856* 75860* 94165*
Germany
East Germany 66692*
94367*
Hungary 7667* 49261*
Latvia 66690*
Poland 14778* 62670*
74001* 91330* 92676*
USSR 7621* 14954*
14972* 14988* 14995*
14996* 15032* 15039*
23238* 25365* 31969*
31979* 32007* 40551*
40553* 40610* 40611*
40631* 47569* 49240*
57977* 66449* 66450*
66620* 66657* 66669*
66693* 66697* 76084*
76090* 76092* 76112*
76144* 76147* 76168*
76206* 76214* 76238*
85479* 85495* 85503*
85545* 85566* 85577*
85597* 94391* 94415*
94423* 94452* 94453*
Poland 49243* 49247*
policies and programs
14991* 15031* 40626*
76195* 85513* 85584*
94408*
statistics 15058*
USSR 1425* 3245* 9582*
13339* 14033* 15013*
15022* 22533* 31939*
47605* 57956* 57975*
64759* 66617* 66620*
74152* 74253* 81994*
84061* 85476* 85478*
85512* 92724* 94408*
Yugoslavia 12075*
State-Federal Brucellosis Eradication Program 11364
State-Federal Tuberculosis Eradication Program 11365
Statherotis 21366
Stathmopoda 21366
Station de Recherches sur l'Abeille et les Insectes Sociaux, Bures-sur-Yvette SEE Bures-sur-Yvette Station de Recherches sur l'Abeille et les Insectes Sociaux
Station Experimentale d'Apiculture Montfavet SEE Montfavet Station Experimentale d'Apiculture
Statistics 6098 6099
7465 13580 30317
30333 47831 47832
65270 67288 74554
74561 74567 74569
83597 93191 94967
94968 58476*
Alabama 30336
Alaska 6097 47811
Algeria 30306* 30307*
American Samoa 21936
Argentina 47810*
Arizona 13606
Arkansas 21932 30308
associations 15614

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Item

Statistics--Cont
Australia 6064 6065 6066 13567 13568 13593 21907 30309 39098 47813 56499 56500—56502 56517 65252 74548 83571 83572 93171
Austria 6067* 39081* 47825* 94303*
Belgium 6069* 6070* 83573*
Bolivia 6072*
Brazil 30318* 39082* 47819*—47821* 56504*
California 30339 56528
Canada 6085 15612 30314 39094 65269 74551
Chile 21909*
Colombia 56498*
Colorado 74553
Congo 30313*
Costa Rica 39083*
Cuba 49173
Cyprus 83576
Czechoslovakia 31808
Delaware 13599 21920
Denmark 13574 21911* 39085* 65257*
El Salvador 83578*
Europe 6086 39084*
Finland 65259*
Florida 21912 39108 47829
France 6075* 39086* 65266* 83579* 83580*
Georgia 21934
Germany 13582* 30310* 30319* 30328* 39105* 47824* 56506* 65254* 65260* 83591* 93178* 94559*
East Germany 6071* 6076* 30323* 56505*
Ghana 58473
Great Britain 13578 21914
Greece 56509* 74556*
Hawaii 6078 13607
history 30320
Honduras 65262*
Hungary 21916 67290*
Illinois 6097 83582
India 6079 13577 13579 14915 15614 21905 21924 49176 56511 65250 76809 83593 93180 93187
Indiana 6097
international 6074 93176 6096*
Iowa 6097 21917
Iraq 30321 56513
Ireland 47822 74558
Israel 39088
Italy 65263 6092* 13571* 23148* 47812* 47833* 56514* 65264* 66307* 83583*
Japan 39089 74566 83585 93179 39099* 56518*
Jordan 6082
Kansas 21932 74559
Kentucky 13603
Kenya 74555
Korea 30325 83577
Latvia 58475*
Louisiana 13575 13576 30338
Luxembourg 74562*
Malaya 13583
Maryland 13600
methods 6100 13577 15613 15615 15617 15618 15619 23850 41236 47689 49898 49899 49900 56526 74557 76808—76810

Item

Statistics--Cont
methods--cont 76814 76815 85822 86279 94963 14431* 32616* 32617* 48611* 57997* 58474* 67290* 67291* 76811* 76813* 86280* 86281* 94965* 94966*
Michigan 13584 21933
Middle Western States 83586
Minnesota 47826 65267 93181
Missouri 6097 13586
Montana 13605
Mozambique 13587* 13588* 21921*
Nebraska 13598
Netherlands 13590* 21915* 39097*
Netherlands Antilles 21922*
New Jersey 6097 93173 93174 93183
New Mexico 6097
New York 6097 30327
New Zealand 6084 83590
Nicaragua 13591*
North Carolina 21932
North Dakota 39100 56523
Norway 30329* 39101* 39102* 39104*
Ohio 21906 21932
Oklahoma 13604
Pakistan 47823 65258 93184
Pennsylvania 13597
Peru 93185*
Poland 21939 30330*
policies and programs 76576
Portugal 21908* 21923* 30331* 56519* 74564*
Puerto Rico 21937 21927*
Republic of South Africa 21926 21925*
Rhodesia and Nyasaland 6089
Rumania 30332 93188 6090* 56516* 83592*
sampling 14667 40032 76162 83988 94964 48835* 49897*
Scotland 30320
South Carolina 21932
Spain 56521* 74565*
Surinam 56522*
Sweden 6083* 21930* 39096* 39106*
Switzerland 13592* 21928*
Syria 6095 6097
Taiwan 6100 83594
Tanganyika 39107
Tennessee 21935
Texas 39109
Thailand 6094 83595
Trinidad and Tobago 13594 83596
Turkey 93195 56524* 65274*
USSR 7465 39090 47828 83589 94171 13595* 14431* 15620* 30335* 48661* 58477* 65275* 66660* 76812*
USSR bloc 67289*
Uruguay 65276*
Virgin Islands 21938
Virginia 13601
West Virginia 13602
Wyoming 39111
Yugoslavia 13610 93196 39112*
SEE ALSO Census; and SUBHEADS research, statistical methods; statistical methods; statistics UNDER specific subjects
Staub's vaccine 55135*

Item

Staudingeria 47130*
Stauffer R-1504 37627*
Staurastrum 32905*
Stauroceras chaetosiphon 64523*
Stauroneis 32932
Stauronema 58807
Stauropus fagi 5440
Stavropol Sel'skokhozyaistvennyi Institut 76793*
Stazzi P 49817* 86194*
Steam 6488 83925 93962 18593* 45152* 92896*
Stearates 3498 47790*
Stearic acid 40065 84600*
Stearoptenes 14492
Steatonyssus 21050*
Stechow E 15541*
Stecklinburger disease cherries 33368*
Stecoritten 56784*
Steel
building material 38838 74354 79485 38835*
stainless 47325 56115 30639* 39368* 57386*
Stefanov D 94914*
Steganosporium 8300*
Stegnosperma cubense 150
Stegodyphus sarasinorum 4946
Steiermark Landeskammer für Land- und Forstwirtschaft 15279*
Stein L von 84998*
Steleoclusiodes SEE Clusiodes (Steleoclusiodes)
Steleoneura 55801*
Stelis 5311*
Stellaria 24008 8666*
Stellaria holostea 87289*
Stellaria media 60984* 88005*
Stellopeltis 67580*
Stellwaag F 15580*
Stem end rot
bananas 33153*
Stem pitting
apples 24447 87050
citrus 59142
coffee 15941 50174 67679
Stem rot
sugarcane 50271
tomatoes 67867
Stem rust
oats 86805 86960 87391
rye 86729
wheat 438 468 5802 8425 8426 16004 16063 24261 41784 86729 86808 86862 86932
Stemonitis fusca 24553
Stempellina 12874
Stempfferia n g 92594
Stemphylium 24102 33335 68751
Stemphylium bizarrum 33019*
Stemphylium botryosum 33187 67949
Stemphylium floridanum 24258
Stemphylium loti 67949
Stemphylium sarcinaeforme 33180 67786* 77107*
Stemphylium solani 16425 33187 50338 67949
Stenaesthetus 82283
Stenamma expolitum 55906
Stenaspini 55764*
Stenaspis solitaria 82295
Steneotarsonemus laticeps 92199
Steneotarsonemus pallidus 55523 12556* 12575* 37749*
Stenichneumon 47084
Stenichnus 21111
Steninae 92411*
Stenobarichneumon 47084
Stenobium paniceum 21134*

Item

Stenobothrus eurasius 47220*
Stenobothrus (Stenobothrodes) 47220*
Stenocephalidae 38314
Stenochironomus 12874
Stenodema (Brachystira) 5247*
Stenodiplosis bromicola 64401*
Stenodyneriellus n g 82599*
Stenodynerus 55891
Stenolechia 29704
Stenolemus wygodzinskyi 5224*
Stenolobium stans 8482
Stenolpiodes n g 92317*
Stenolpium 92317*
Stenoma catenifer 81778*
Stenometopiellus 38289*
Stenometopiellus festucarius 73748*
Stenomidae 64603 92584
Stenopneusticae 12958 47084
Stenopogon engelhardti 82419
Stenoponia 38575*
Stenoponia tripectinata group 38032
Stenopterina 46960
Stenopterina brevipes 46960
Stenoptilia 47134*
Stenostola ferrea 4774*
Stenotaphrum secundatum 775 50307 60782 67852 77286
Stenus 73614 5032* 46892*
Stenus kiesenwetteri 21150
Stenus problematicus 73614
Stenygra histrio 92136*
Stephania hernandifolia 25224
Stephanitis 64486
Stephanitis piri 63985* 64007*
Stephanitis typicus 81801
Stephanoderes hampei 29072* 73653* 81800*
Stephanofilariasis SEE Verminous dermatitis
Stephanopodius 12843
Stephanosporium n g 67653*
Steppes 59308*
Czechoslovakia 41575*
Rumania 61838*
USSR 17872 17876 18084 18228 2219* 9322* 10125* 10323* 16198* 16218* 18103* 21015* 25327* 29165* 32695* 42109* 42121* 43943* 44115* 58609* 60418* 61234* 61466* 64117 68131* 68160* 68225* 70208* 70564* 76768* 78374* 78857*
Steranabol SEE 4-Chlorotesterone acetate
Sterckx R 58413*
Sterculia foetida 54708
Sterculia foetida oil 7138 20259 72508 72562 91450
Sterculiaceae 23967*
Sterculic acid 11889 45928
Stereocaulon 50135 58791
Stereostratum SEE Puccinia
Stereum purpureum 16088* 41788* 86896*
Stereum sanguinolentum 90360 2849*
Stereum taxodii 41530
Sterility
cattle 3244 19662 19738 19869 19873 19927 27534 36394 36398 54113 71943 72202 79812 80049 90815 19657* 45702* 80078*
Australia 3282 3286 27874
causes 45643 62626 27506* 27516* 27524* 36703* 54163* 62565* 71906* 71953* 71962*

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Item

Sterility--Cont
cattle--cont
control 3311* 11421* 19634* 19658* 54098* 90879*
Hungary 54086*
prevention 45449* 62538*
reviews 62609* 71956* 80075*
Scotland 3256
treatment 3313 27536 36446* 72780* 90850* 90866*
conferences and congresses 90507
control 53740* 62271*
dogs 91244*
foxes 91276*
goats 20329*
guinea pigs 36925
horses 36873* 80616*
insects 82067*
minks 11803*
rabbits 19662
sheep 20325 54885 11421* 37180*
swine 4191* 28572*
Sterilization SEE Soils, sanitation; and UNDER specific subjects
Sterilization of animals SEE Castration; Spaying
Sternal puncture 80285*
Sternbergia fischeriana 33650*
Sternochetus lapathi 12664* 64065* 64106* 64385* 92219* 92246*
Sternocolaspis quatuordecimcostata 92175*
Sternocyphus n g 46910*
Sternohammus 92347*
Sternon F 86150* 86165*
Sternorrhyncha 64525
Sternotomini 92386*
Steroids
analysis and composition 84789
in cattle physiology 36646 36713 62550
in fungi 43032*
in horse physiology 20090 54640
in plants 1360 16975 69166 77810 16971* 25247* 34280*
in swine physiology 28663*
Sterols 31390
determination 84217*
effects on plants 87537*
in food 30952 74694 84217*
in insects 4850 5054 21149*
in oilseeds 48740
in plants 1375 69059 34051* 51468*
in poultry physiology 3929
Sterrha dilutaria praeustaria 82774*
Sterrha dimidiata 29673
Sterrhinae 82774*
Stethorus 46844
Stethoscopes 91205 91206 3080*
Stewart M A 58399
Sthenarus 47057*
Sthenias cylindrator 73290
Stichillus 82360
Stichting Bosbouwproefstation "De Dorschkamp" 44566*
Stichting C L O-Controle 39454* 62519*
Stichting Nederlands Graan-Centrum 60463*
Stichting voor de Nederlands Vlasteelt en Vlasbewerking 9441* 43204*
Stick insects SEE Phasmatodea
Sticker's tumor 3657* 19988* 80536*

Item

Sticktight flea SEE Echidnophaga gallinacea
Sticta wrightii 15849
Stictochironomus 12874
Stictococcus acaciae 21276
Stiebeling H K 23770
Stiff lamb disease SEE White muscle disease
Stiftelsen Svensk Vaxtnaringsforskning 52855*
Stigmaeidae 12793 82140 82208
Stigmaphyllon 41375
Stigmasteryl D-glucoside 48967
Stigmatogaster 29293
Stigmella aceris 64644
Stigmella malella 92540* 92577*
Stigmella pseudoplatanella 38521
Stigmella ulmifoliae 73832
Stigmellidae SEE Nepticulidae
Stigmina carpophila 24311
Stigmus 5270
Stigonema 214
Stigonema dendroideum 18118
Stigonemataceae 41521
Stilbaceae 86476
Stilbene 27711*
Stilbestrol
effects on cats 91194
effects on cattle 3376 11537 19742 19939 27713 27774 27816 54205 54228 62942 80183 3383* 11528* 36501* 45435* 45481* 90915*
reviews 90915*
effects on mice 11856
effects on minks 36845 63101
effects on poultry 3961 80866 91358 28204* 28295* 45911* 54744* 54745* 72666* 72667* 72674* 91365*
effects on rabbits 80952*
effects on sheep 4088 12073 12140 28441 46102 80969 81096 28437* 28442* 54965*
effects on swine 55067 55042* 55106* 81256*
Stilbops 38410
Stillbirth
reviews 72888
Stilobezzia 64460 82393 5079*
Stilpnotia salicis 73850*
Stimulants 62341*
Stingless bees SEE Meliponini
Stink bugs SEE Pentatomidae
Stink glands 82555*
Stinkwort SEE Inula graveolens
Stipa 59701 8772* 15799*
Stipa comata 88646
Stipa dasyphylla 58675*
Stipa joannis 86471*
Stipa neaei 60190
Stipa nevadensis 68447
Stipa stenophylla 58675*
Stirpsocoris n g 47006*
Stizocera 92419*
Stizochymus n g 82382
Stizolestes n g 82382
Stizus 5270
Stobiecki S 49821*
Stock SEE Mathiola
Stockholm Skogshogskolan 35634*
Stockholm Statens Lantbrukskemiska Kontrollanstalt 94863*
Stockholm Svenska Traforskningsinstitutet 10986*
Stockholm Veterinarhogskolan Biblioteket 62472
Stockyards 84665 93848 3231*

Item

Stolbur 73129
potatoes 46514*
Stolypin P A 67246*
Stomach 3177* 71722*
cats 63081
cattle 11581 11589 19905 45626 45629 62701 3565* 72123*
dogs 20011 27958 63081 80547 45756* 46152* 91196*
goats 46152* 81116*
minks 80594*
poultry 37010
rabbits 4019
reviews 63382
rats 20108
ruminants 79892*
sheep 20423 37223 63452*
swine 37388 73025*
Stomach fistula 11541
Stomach worms 11235
cats 63076
cattle 36698 45661 54380 62783 80326 80418 3503* 27829* 72143*
control 19902 27691
reviews 20384
ducks 46022* 91555*
goats 63443 63457 46155* 81104* 81105*
sheep 12117 28498 28501 72823 80326 81051 81122 91711 4106* 27829*
control 4114 4123 28491 46136 63487 20396* 37225* 54915* 54969* 81104* 81105*
reviews 20384
Stomata 46 780 1148 1408 8744 16727 68647 77622 87608 88088 16677* 32662* 77546*
Stomatitis 3571 80381 80428 37167* 80300* 80365*
Stomatomyia 63967
Stomiopeltella 32940*
Stomoxys calcitrans 12358 21247 46380 46386 46913 73671 81503 82380 82417 92421 92001*
control 12423 46397 4460*
Stoneflies SEE Plecoptera
Storage 93157 39069* 47760*
buildings 64048 74002* 75930*
controlled atmosphere 83272 83274
equipment 38606 81836
Germany
East Germany 74517*
India 47778 93142
Netherlands 83526
pest control 20865 20873 29116 81855 81861 30280* 55539* 56458* 92208*
Germany
East Germany 33080*
Great Britain 37773
Netherlands 4733
Nigeria 4729
Poland 46622*
reviews 4721 37771*
study and teaching 29133
tests 29122
pests 21152 84756 64046 12615* 37993*
Hungary 73352*
identification 64054 92212 37784*
New Zealand 37792
Poland 37784* 81856*

Item

Storage--Cont
pests--cont
Sweden 64049
USSR 93150*
ventilation 47770*
Yugoslavia 13544*
Stored products SEE Storage
Stowarzyszenie Inzynierow i Technikow Lesnictwa I Drzewnictwa 89998*
Straighthead
rice 33325*
Strakhov T D 67241*
Strandella n g 82180
Strandtibbettsia n g 73556*
Strangalia arcuata 82313*
Strangalia nigripes rufipennis 73618*
Strangles 45830* 11835*
Stratiomyidae 21199 38190 55769
larvae 5070
parasites 64533
taxonomy 29435 29443
Stratonostoc linckia 87655*
Straurastrum 214
Strauzia longipennis 46522
Straw 75307*
analysis and composition 48520* 59966* 59967*
baling 29934 56165 92854*
care and handling 5751 83087 21643* 83138*
decomposition
bibliographies 2121
feed 3073 3386 11179 3407* 11210* 27266* 27278* 36514* 53795* 62327* 71652*
fertilizers 35611 10279* 60128* 78610*
Austria 89953*
Germany 10225*
Sweden 70527*
Taiwan 35396*
Tropics 18075
harvesting 83090*
equipment 5751 74098 83087 5758* 5770* 29951* 92808* 92822* 92844* 92852*
in pulp and paper industry 48515* 48580*
loading equipment 13156* 29860*
mulch 2359 70684 26364* 86653* 92768*
processing 11210* 27266* 30737* 36514* 48527* 53809* 62327* 71652* 77710* 77692* 84513*
costs 6450*
equipment 6839 13280* 92823* 92842* 92900*
stacking 29951* 48527* 92997*
storage 31183* 48527*
transportation 48527*
reviews 85289*
SEE ALSO Barley straw; Flax straw: Rape straw; Rice straw
Straw meal 62214
Strawberries
analysis and composition 14070 75106 93597*
anatomy and physiology 980 16832 34112 34118 34119 68565 68701 77718 9218* 51301* 51304* 52771* 68770* 69002* 69037* 87672* 87720* 88092*
bacterial diseases 50448 67967 67968
biochemistry 1361 16934
breeding 8423 25642 52001 69779 69785 9641* 69764* 69786* 88946*

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Item

Strawberries--Cont
breeding--cont
conferences and congresses 69769*
care and handling 84355
conferences and congresses 69769*
consumer preferences 69779
contamination 14070 55482
costs and returns 48361 51975*
Canada 32059*
Germany 9651*
Mexico 48361
New York 76262 85646
Scotland 76276
Tennessee 58011
culture 16136 25668 41841 1728* 44251* 51975*
Argentina 69766*
Australia 1743
California 34119 34688 35421 35449 35469
Canada 34666
Finland 34672*
Germany 9651*
Great Britain 34685 43446
Iowa 43435
Italy 9640* 17367* 34665* 88930*
Louisiana 26801
Michigan 1715 68565
Netherlands 1736* 1737* 1740— 1742* 9653* 9657* 9658* 17389* 43430* 43448*
New Hampshire 51993
New Zealand 44314
North Carolina 60717
Northern Ireland 1731
Norway 1738* 43449* 51980* 52002* 52867* 60724* 88962*
Oregon 34667 34675 43431
Southern States 9650
Sweden 9682* 52003*
USSR 17380* 60716* 69778* 88954*
Vermont 60715
defoliation 1724
directories 31625
disease resistance 8423 52001 68026
diseases 33041 33047 50252 69764* 77057*
fertilizers 26252 78574 52771*
California 35421 35469
Great Britain 10166 10311
Michigan 1714
Netherlands 10165*
Norway 52867*
USSR 70573*
for processing 58011 48412* 75150*
forcing 25672* 25677*
frozen 6684 48361 75187 39732*
fungus diseases 466 41841 58935 58988 67829
Belgium 57813*
Canada 33195
control 8550 24252 33226 50225 58932 59068 41782* 86802*
biological 67774
Florida 67780
Great Britain 8451 41763 86881
Illinois 59076
Norway 16008*
genetics 68434* 68475*
germination 77549
grading and standardization 39711 22391* 31000*
hardiness 88966*

Item

Strawberries--Cont
harvesting 57757*
history 9677*
industry
California 84147
Greece 6622
Italy 14041*
Missouri 14030
Oregon 39610
Tennessee 30972
irradiation 75206*
irrigation 1714 35469 35481*
keeping quality 75206*
labor 14795* 57757*
marketing 14088 30972 93581 48385* 48390*
mechanization 38616
nematodes 574 33431 68002 68064 87107 87135 24480* 59206* 87101* 87108*
pest control 50963 81746 12575*
Arkansas 63974
California 33041
Kentucky 50225
New Jersey 33047
Oregon 55504
Pacific Northwest 77053
Poland 12556*
Washington 37754
Wisconsin 50252
USSR 37749*
pests 12533*
Australia 12539
Belgium 67813*
California 73758
France 81761*
Great Britain 313
Italy 77057*
Tennessee 21360 29059
USSR 46556*
planting 1714 25645 34112 34688 41841
equipment 1729* 5736* 13206*
pollen 69118*
prices 48390*
processing 31014*
pruning 34685 34688
quality 48412* 75150* 93597*
situation and outlook 7872
soils 44251* 69002*
storage 31014*
trade
Mexico 7872
utilization 56699 56783
varieties 17385 25642 25668 34687 69765 88970 9658* 34679* 69763*
Bulgaria 93597*
Germany 48412*
East Germany 25637* 25670*
Great Britain 34679*
Illinois 25659 52008
India 88967
Iowa 43435
Italy 69764* 88942*
Louisiana 9655 51977
Netherlands 1740* 1741* 1742* 9657* 17389* 43430*
New York 9676
Norway 1738* 52002* 57757* 88962*
Poland 34679*
Rumania 51973*
USSR 9667* 25644* 69002* 88945* 88949* 88954* 88966*
West Virginia 17371
virus diseases 8593 16148 50466 50487 55504 68002 68026 68064 68001* 77241* 86997* 87007*

Item

Strawberries--Cont
virus diseases--cont
Brazil 33375*
Canada 16137 16134*
Great Britain 574
Italy 12533*
Poland 41975*
Yugoslavia 24427*
vitamins 31038*
weed control 17767 17790 43844 43812*
Great Britain 35046 35051
Italy 70011*
Northeastern States 52170 52296
yields 52771*
California 35449
Great Britain 10311
Illinois 25659
Italy 88942*
Michigan 1714
USSR 70573*
West Virginia 17371
Strawberry aphid SEE Pentatrichopus fragaefolii
Strawberry clover 34491 42486
Streak
Dactylis 541
peas 16145
sugarcane 50516
tobacco 24405
Streambank erosion 18589 10406* 61619* 70871*
Streblidae 20674 92477
Strelitzia reginae 78102*
Strepsiptera 92648 56015* 64740*
Strept-A-Vit 45247*
Streptobacillus moniliformis 91193
Streptocarpus 156 67423 910* 16467*
Streptococcosis 28314 28292* 28303*
Streptococcus
cattle 80220 3242* 36711* 62852*
dairy products 6387 56657 65502 74692 93326 56665* 83798*
horses 63158*
livestock 79833
meat 7015
swine 81301 55115*
Streptococcus agalactiae 80208 80473* 86692*
Streptococcus bovis 19540
Streptococcus cremoris 6212 13865 83780 13845*
Streptococcus diacetilactis 47916 56644 56657 13845* 83933*
Streptococcus equinus 19540 38887
Streptococcus faecalis 73852 31245*
Streptococcus lactis 13865 74723 83780 84221 74721*
Streptococcus pluton 81919 37905*
Streptococcus thermophilus 30640* 80323*
Streptococcus uberis 45699*
Streptodornase 90686*
Streptokinase 90686*
Streptomyces 44055 60294 86775 86791 300* 10095* 15913* 33014* 68439* 90664*
Streptomyces coelicolor 33632
Streptomyces griseus 44049*
Streptomyces noursei 25225
Streptomyces purpurascens 8936*
Streptomyces rimosus 16920 67348*

Item

Streptomyces scabies 8502 16014 50320 50426 15994*
Streptomyces violaceoruber SEE Streptomyces coelicolor
Streptomycetes 10076 87932 78455* 86563*
Streptomycin 26610
determination 16670*
effects on animals 27264* 45205* 54683*
effects on microorganisms 10066 20228 42302 81321
effects on plant disease 522 533 8561 59101 77116 77203 77211 59047*
effects on plants 16479 77589 77707 8817* 60265* 87398*
in feed 22141 22142
residues 30718 78447 25213* 81924*
therapeutic use 19864 63055 72117* 80949*
Streptothricin 67856
Streptothricosis 11291* 11368*
cattle 11624 80412 81545 80368*
rabbits 80368*
Stress 19424 36213 19482* 53873*
cattle 11543 19637 19738 54230 54276 71888*
horses 54643*
insects 36951 47160
laboratory animals 11853*
pigeons 36951
poultry 3992 11898 20191 20258 28349 45933
rats 36951
sheep 63514 63515
swine 12266 20518 63651
turkeys 37018 72520
Striate mosaic
sugarcane 556
wheat 29535
Stridor 62799
Stridulation SEE SUBHEAD sonification UNDER Insects
Striga 52234
Striga asiatica 1960 16776 88076 89374 89392
Striga hermonthica 52245
Striga lutea 1967 9911
Striga senegalensis 9209
Strigamia maritima 29308
Strike SEE Blowflies
Striononyma n g 82225*
Strip grazing 3328 3329 27667*
Canada 54151
Denmark 45527*
Germany 9459* 44297*
Great Britain 90908
USSR 62636*
Strip-mined areas
Great Britain 94383
Illinois 17309
Indiana 40792
Japan 60144 60145
Oklahoma 40447
reclamation 10724 61322
Allegheny Mountains 44126
Australia 61322
Czechoslovakia 78544*
Germany 89624 18244*
East Germany 10720* 18984* 26593* 79236*
Great Britain 2240 2246 78539 78751 78752 82134
Hawaii 17311 18388 18590 78965 89627
Indiana 44128
Ireland 78538
Kansas 2750 61947

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Item

Strip-mined areas--Cont
reclamation--cont
Ohio 2730 44822
Poland 70482* 71228*
Rhodesia and Nyasaland 61312
Scotland 2239
USSR 61325*
West Virginia 2237 71184
West Virginia 10055 35218
Stripe
rice 59116 86972
Stripe mosaic
barley 42018 59111 67993 77232 77245*
Stripe rust
wheat 24194 24243
Stromatinia 263
Stromatinia rapulum 33012*
Stromatium fulvum 82269
Stromatium longicorne 55741
Stromatocyphella 15859
Strombophorus 64363*
Strombosia 16273
Strongitin 28717*
Strongylium 38068*
Strongylodemas 82517
Strongyloidea 37225*
Strongyloides 53964*
Strongyloides papillosus 28460 28461 28462 12122*
Strongyloides ransomi 37410
Strongyloidiasis 53964*
cattle 62723*
goats 28461 28462
rabbits 28460--28462
sheep 28460--28462 63485 12122*
swine 37410 28717* 91862*
Strongylosis
asses 45306*
cattle 27725 27726 54926* 63531* 63532*
goats 63531* 63532*
horses 11838 28122
control 28096* 28097* 28125*
diagnosis 11827* 20077*
eradication 63157*
treatment 80660 63473* 81029* 81130*
sheep 63440*
control 28472* 54926* 54971*
diagnosis 63531*
treatment 63473* 63530* 63532*
Strontium
determination 8992* 86101*
effects on plants 78457 8992*
in algae 16871*
in animal physiology 17982 45334* 53794* 53956*
in cattle physiology 80232
in dairy products 65401 65461*
in food 38876* 53794* 56422*
in goat physiology 4151 37279 28500* 91528*
in grain 48551 75323*
in hay 53781*
in honey 81962*
in insect physiology 81962*
in milk 3385 30652 39363 44065 62574 83893
in plants 20368 42639 51031 51032 60212 77577 1072* 8992* 16801* 42617* 60170* 68947* 70401*
in poultry physiology 3938 80838 28500* 91528*
in sheep physiology 4210 20368 28478
in soils 17982 35130 51031 51032 52564 61131 77577 78334

Item

Strontium--Cont
in soils--cont
1072* 17993* 42617* 52462* 60170* 61168* 70272* 70401* 89520*
in swine physiology 4210 4237 28635 81289
Strontium phosphates 35138
Strophanthidin 88176*
Strophanthus 156
Strophanthus boivinii 1378*
Stropharia 41542
Stropharia aeruginosa 41567*
Strugger G 58404*
Strugger S 76737*
Strumella coryneiodea 1040
Strumeta tryoni SEE Dacus tryoni
Strychnos 51459 51528 67461 60285*
Strymon liparops 64680
Strymon melinus 5513
Strymonidia pruni 5461
Stuart R Y 8020
Stubbe H 86171*
Stubble 4604 9885 44122 9380* 12215*
Stubble crops 2275* 87682* 88266* 88301*
Stubborn disease
citrus 59128 59130 59145 59184 77231*
grapefruit 59121
oranges 59121 59127
Stuckenbergina n g 82411
Student exchange program SEE Exchange programs; International Farm Youth Exchange Program
Studiekring voor Voorlichting 15283*
Stump removal SEE Forests, sites, preparation; Land, clearing
Stumpage SEE Timber
Stumps 37992*
Stunt
Digitatia decumbens 37629
peach 87049
Sturmia harrisinae 46541
Sturovia n g 38368*
Sturtevant A H 82434
Stuttgart Staatliches Museum fur Naturkunde 49776*
Stygera 92559
Stylets 73191 82565 92067 92511 55868*
Stylidium tepperianum 67468
Stylisma 86505
Stylogaster 46955
Styloniscus 4920
Stylopalpia 29634*
Stylopalpia costalimai 46423*
Stylophorum diphyllum 25249*
Stylosanthes gracilis reviews 88527*
Stylosanthes guanensis 25435
Stylosanthes sundaica 17194 19764 77972
Styphelia 77414
Styphlochaetes 82274*
Stypommia 38198*
Styracaceae 76942
Styrene 53707 66128 77181 40070* 43905* 56441* 83869*
Styrene polymers 65230* 65244*
Styrol SEE Styrene
Suaeda 32723*
Suaeda maritima 13002*
Suaeda nudiflora 84200
Subargyrotaenia n g 13021
Subject classification
agriculture 94850*
food 47637*
forestry 94850*
human nutrition 47637* 49694*
livestock 71621*
veterinary medicine 79779*

Item

Subsidies 14844 40962 49209 66559*
Denmark 31908*
France 7569*
Great Britain 23232 23235 86008 94341 14947* 23233*
Great Plains 23135
Italy 85466*
Switzerland 19551* 31716* 49210*
Subsistence farming SEE Farms and farming, subsistence
Substance P 3900
Substitution budget SEE Linear programming
Subterranean clover
anatomy and physiology 1059 2131 8886 77477 77667 87780
culture 34531 88510*
disease resistance 17141
fertilizers 26350 70644
irrigation 44351
pests 46426
plant parasites 70030
reviews 9494
seeds 2163 9127
soils 35202 70644
varieties 16560 60566 69542
virus diseases 17141 44351
Succinate 9165 16977 91217*
Succinic acid 27377 93873 34105* 51018* 68635* 74624* 87607*
Succinic dehydrogenase 1344 29615 37922 37969 63200 80856 72255*
Succinylcholine 36893* 45840*
Succinylcholine chloride 90972 28035* 28036* 28123* 36897* 37376*
Succulents 67512* 88993* 89041*
culture 1792 34814 34831 43535 88987 1779* 25686*
ecology 87162*
morphology 16336*
taxonomy 50070 15796*
Suckling clover 10297 41791
Sucrose
analysis and composition 57530 14615*
chemistry 22639 40184 57529 57557 7265* 22822* 31537* 31594* 57556* 75772*
determination 22902 66224 39266* 48952*
effects on plants 16723 33904 34054 42512 42637 34209* 77635*
feed for bees 73450*
in dates 14165
in forage plants 60039
in honey 84534*
in insect physiology 5261 81925
in milk 39266*
in plants 1319 9253 42889 42937 51058 77484 77493 77999 87483 25105* 51465* 51466* 77688* 87862*
in potatoes 84287
in sugar beets 1013 1194 1270 22902 31593* 48952* 85002*
processing 57576*
properties 57556* 75763*
utilization 22872
Suctobelba 12756*
Sudan Almanac 23211 23212
Sudangrass SEE Sorghum vulgare sudanense

Item

Suddeutsche Versuchs- und Forschungsanstalt fur Milchwirtschaft 93436*
Sudtiroler Bauern-Kalender 41135*
Suffolk County (N Y) Mosquito Control Commission 81591
Suffolk Naturalists' Society 63708
Sugar
advertising 40182* 48938*
agreements 94785 58278*
associations 7244 7263 7271 31555* 85077* 94027*
color 7245* 14590*
conferences and congresses 75748
Hawaii 48916
India 40164
Mexico 51840*
Philippines 40186
Puerto Rico 22880
Republic of South Africa 85071
consumption 7239 14608 48951 75747 93200 85011*
containers 14611* 57548* 85027*
credit 14696 22996
directories 57515 75769 85015 94049*
exchanges 30398 30399 65321
feed 12266 63596*
feed for bees 12686 20942* 20959*
grading and standardization 40178 40195 7245* 75739*
handbooks 14629*
history 40177* 84998*
Brazil 85010*
Mexico 7270*
Scotland 31583
Turkey 48950*
USSR 7258* 31541* 31553*
West Indies 32043 40193
in food processing 21898 65727 66078 75128 75481 31028* 31316* 83693*
in philately 75757*
industry 57541 57571 75719 84996 94074
Argentina 7251* 22824* 66217* 94068*
Australia 22894 48907 57573 57900
Brazil 94069
China 22897
Cuba 22871 22833*
Europe 57560
European Economic Community 14597* 57523* 85030*
European Free Trade Area 85030*
Florida 7268 22855 94076
France 7240*
Germany 7259* 14629* 31596* 57578* 85035*
East Germany 83973*
Hawaii 7264 7530 22888 75760
Hungary 22840* 94078*
India 22850 22852 22883 31557
Indonesia 66249
Latin America 7266 22862
Louisiana 7268 48912
Malagasy Republic 85020*
Mauritius 75758
Mexico 94065 48926* 57503*

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Item

Sugar--Cont
industry--cont
Nicaragua 31575*
Philippines 57512 57539 84993
Poland 85043* 85075* 85084*
Puerto Rico 85072
regulation 14616
Republic of South Africa 35609 85053 57555*
Ryukyu Islands 22893
Spain 85060*
Sweden 85055*
Taiwan 48954* 57551* 85036*
USSR 14168* 14599* 48906* 57547* 66233* 85070* 93653* 94067*
Venezuela 7275*
irradiation 85023
legislation 31582 57550 66231 85053 85061 86010
liquid 66216
losses 7252* 14601* 31543* 31573* 48925* 57537* 75716* 84992* 85026* 85038*
manufacture and refining 7260 7261 22830 22867 22879 31559 40179 40201 48927 48928 48934--48936 75745 85032 85047 7248* 7252* 7282* 7284* 14593* 14610* 14624* 22835* 22847* 31552* 31558* 31563* 31567* 31584*--31586* 31589* 31591* 31597* 48941* 57559* 57561* 66210* 66220* 66252* 75715* 75717* 75724* 75728* 75772* 75778* 84991* 85012* 85024*
Argentina 94052* 94068*
Australia 66219
Brazil 85010*
cooperatives 66213
costs 31544
Cuba 75721*
Czechoslovakia 75754* 94075*
equipment 22884 22898 7269* 7281* 7289* 31572* 31578* 48909* 48948* 66227* 94041* 94050*
Germany 57576* 85056* 85066*
Great Britain 85029
Hawaii 75723 75731 75732
Hungary 66246* 85081*
India 7244 66213 75769
Louisiana 31544
Mauritius 22869
Mexico 57565*
Poland 75766* 85046* 85083*
Republic of South Africa 85033
research 22877 75759
statistical methods
Sweden 85029
Taiwan 40169 48945 75726*
USSR 7253* 14601* 22842* 48925* 66214* 75716* 75744* 75765* 75774* 84989* 85038* 94038* 94044*
yields 31544 22889* 40203* 66229* 66236* 85044*
marketing 57544 31595* 40182*

Item

Sugar--Cont
marketing quotas 94798
nutritive value 32468 32480* 48905*
packing 7273* 14609* 14611* 57548*
policies and programs 75750 94024 94046
Florida 22828
India 22878
Mexico 40161* 85005*
USSR 22851*
prices 40175 40176 48905*
production quotas 85011*
quality 22837 66214* 94054*
situation and outlook 13935 14596 22860 22876 57524 66223 75719 94059 57519* 75736* 85048*
Asia 93997
Belgium 94043*
Brazil 85011*
Europe 94025 66225*
European Economic Community 7254* 22843*
France 22861*
Germany 40192*
Great Britain 94025
India 22870 22882
Italy 57519*
Mexico 94077*
Peru 14591*
Philippines 57518 85022 85051
Puerto Rico 85034
USSR 57542*
statistics 7277 14596 22895 57504 66211 85079 14629* 40177* 94049*
Canada 94031
Cuba 22833*
Great Britain 83581
India 22849 75749
Poland 85075*
USSR 57511
storage 66216 14619* 14620* 22836* 22887* 31600* 85027*
Hawaii 75729
humidity 22831
Philippines 85057
Rumania 75734*
structures 66215 5874* 22899*
USSR 94039* 94054*
subsidies 94345
substitutes 66226*
surpluses 22870 57544
taxation 94198*
terminology 48914*
trade 32390 40975 49613 67069 86010 94065 94345 94798 85957*
Australia 94798
Europe 23599* 57527*
Hungary 75736*
India 7239 23606 57544 58243
Mauritius 7887
Mexico 94065
Philippines 49613 86010
Poland 86020*
Republic of South Africa 58259
Taiwan 94746
transportation 22873 31571 40159 66242 75729
utilization 31554 80366 48920* 84999* 86065* 94034*
waste 40194 2302* 61077*
weight and measurement 31571 85076 31534*
Sugar-beet root aphid SEE Pemphigus betae
Sugar-beet root maggot SEE Tetanops myopaeformis

Item

Sugar beets 85037*
abnormalities 59725*
acreage and area 14606
analysis and composition 22902 31579--31581 33829 57564 6649* 17247* 24990* 31593* 48952* 57553* 70743* 75753* 75777* 94033* 94037* 94082*
anatomy and physiology 968 978 1013 1054 1099 1194 1270 1287 24778 24779 25015 25035 33829 34229 51211 59915 59959 68717 69053 77585 974* 1020* 1125* 1126* 8767* 8890* 8935* 9010* 9039* 10227* 16636* 24990* 25119* 33933* 34101* 34209* 42664* 42693* 42872* 51126* 51434* 68570* 68611* 68657* 68693* 68735* 68810* 68811* 68932* 68989* 68991* 69060* 77474* 77693* 77995* 87594* 87603* 87651* 87749* 87795* 87833* 87848* 87938* 88048* 88053* 88085* 88087*
associations 84997
biochemistry 9253 14594* 24367* 69260* 85068*
breeding 486 77990* 87479* 88085* 88763* 88769*
Belgium 69676*
conferences and congresses 78008*
Germany
East Germany 51852* 77992* 88663*
Hungary 69668* 88738*
Poland 51834* 69657* 69667* 69673* 78004* 88745*
USSR 17243* 17245* 25519* 34561* 69680* 77421* 88729* 88741* 88742* 88746* 88748* 88753* 88755* 88757* 88758* 88760* 88765* 88772* 88774* 88775* 88785*
California 77986
care and handling 31577* 48940* 48943* 84992* 94035*
chemistry 57564 31566*
cleaning 64906 92952 7286* 47429* 75743*
color 8846* 77104*
conferences and congresses 1645
contamination 6649* 66221* 94045*
cooperatives 5980
costs and returns 76284*
Canada 32056
Germany 69674 85063*
Great Britain 15103 23343
New York 75752
Poland 94489*
Rumania 76272*
Scotland 15099
Sweden 23255*
USSR 57962* 76283* 85671* 94079*
culture 1013 1649 18401 43343 57541
Arkansas 51831
California 42559 77983 77997
conferences and congresses 78008*
Czechoslovakia 82941* 88744* 88778*

Item

Sugar beets--Cont
culture--cont
Denmark 61354*
Finland 9513* 9527*
Germany 9526 17252* 69674*
East Germany 1647*
Great Britain 51838* 56125*
Hungary 1646* 17265*
Ireland 69661
Italy 17254 17258*
Japan 24990*
Michigan 52732
Morocco 69655* 77984*
Netherlands 17242*
Poland 9529* 70678* 74050* 88761*
Spain 77987*
Sweden 9531
USSR 17004 1555* 9524* 9528* 10332* 13208* 17249* 17251* 17255* 25509* 25516* 34557* 35438* 43328* 43342* 51842--51844* 51854* 69457* 69595* 69653* 69654* 69658* 69663* 69664* 69665* 69670* 69672* 69677* 69680* 78002* 78765* 78769* 78770* 78771* 78889* 87731* 87749* 88737* 88743* 88747* 88751* 88754* 88756* 88767* 88768* 88770* 88777* 88779* 88780* 88781* 88782* 89806*
Yugoslavia 88411*
cytology 33694 24583* 88085*
Czechoslovakia 57553*
disease resistance 486 77083 77119 17243* 24250* 24367* 24368* 69657* 77104* 86730* 88742* 88746* 88758* 88774* 88775* 88783*
diseases 42559 58851 77056 67757* 77070* 86678* 86703*
control 86699* 86707*
enzymes 14594* 42692* 42693* 85082*
equipment
Germany 82982*
East Germany 92728*
Great Britain 56125*
USSR 13208* 14784* 38664* 83058*
farms 73956 76166 40615*
Japan 40593*
Sweden 23255*
USSR 7578* 14996* 15052* 48906* 57962* 85581*
feed 1647* 11513* 13889* 27631* 27636* 46183* 46209* 55004* 55031* 71997* 72023* 84999* 90917* 91792*
USSR 25517* 31539* 69654* 69665* 79714* 85040*
fertilizers 1013 1194 1270 1287 4647 44265 51211 89776 974* 10270* 16636* 17247* 70552* 70553*
Belgium 61077*
Canada 2256 2312
Czechoslovakia 67799*
Denmark 35322* 61354*
Finland 10294*
Germany 2408* 18314* 35318* 35382* 52707* 70601*
Great Britain 34974 35302 52691 78711

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Item

Sugar beets--Cont
fertilizers--cont
Hungary 52790
Italy 52836*
Michigan 52732
Netherlands 52835*
Poland 9529* 70577* 70648* 78004* 78610* 78653*
Sweden 70525*
Turkey 44241*
USSR 2347* 10201* 10304* 18269* 18373* 18386* 26316* 42664* 52754* 52779* 70655* 78593* 78606* 78643* 78346* 78648* 78655* 78733* 78745* 78747* 78756* 89712*
Wyoming 2323
forage plant 1555* 9513* 69506* 69595* 88598* 88660* 88662* 88663* 88744*
freezing 94071*
fungus diseases 486 41927 24250* 24368* 41740* 50322* 77104* 77193* 86730* 88783*
control 68717
Bulgaria 24231* 86833*
Czechoslovakia 67799* 86786*
Germany
East Germany 67914*
Great Britain 33186 77165
Italy 77158*
USSR 67895* 77129* 77162* 86895*
Czechoslovakia 59021* 67883* 86760*
reviews 50276
Germany
East Germany 41823*
Poland 86775
USSR 88742* 88746* 88758* 88774* 88775*
genetics 50883 68490 77454 8846* 59725* 87479*
Germany 14614* 40586* 48930*
germination 77454 24866* 24983* 34155* 34235* 42692* 42693* 69001*
grading and standardization 85002*
Great Britain 49275
hardiness 88757*
harvesting 1650*
equipment 47417* 74105*
Belgium 56176*
Czechoslovakia 56177* 83109*
Germany 13261* 21617* 21630* 29935* 38705* 38707* 56161*
East Germany 47422* 74133*
Great Britain 83094*
Hungary 29925*
Netherlands 29956*
Poland 74050*
USSR 5750* 5763* 13208* 13232* 13250* 21634* 47404* 47429* 83079* 83084* 83102* 83122* 92806* 92825* 92828* 92839* 94045*
Germany
East Germany 43339* 51850*
labor 14768* 14805*
harvesting date 17247* 43335*
history 43327 48911 69457*

Item

Sugar beets--Cont
hybrids 77998 17245* 34101* 43320* 68480* 77990*
industry 22866
Argentina 84990
Europe 57527*
Germany 75767* 85063*
Missouri 94058
New York 75752
USSR 14599* 57525* 85052* 94067* 94079*
vertical integration 14606 57533
injuries 4647 77063
inoculation 70350*
irrigation 78824 68657*
Bulgaria 52971*
California 18474
Germany 2408*
Great Britain 78873
Sardinia 35525*
USSR 1020* 18419* 18481* 18488* 18523* 18524* 26563* 68570* 70705* 70719* 70743* 70759* 78814* 78886* 78889* 78890* 78895* 81677* 87594* 88731* 88762* 88768*
juice and sirup 31549* 57570* 75728*
analysis and composition 57552* 57553* 75725* 75740*
chemistry 22890* 75776*
clarification 85025 22854* 31564* 31565* 57575* 66241* 66245* 75718* 75742* 75764* 75770* 75776* 85024* 85041* 94066*
colloids 66230 75770* 75771*
color 83913*
microorganisms 31573* 85007* 85039*
processing 7285 31564* 31565* 40203* 57501* 75773* 85046* 85083* 94051* 94072*
properties 66252* 75735*
quality 22859* 66252* 94051*
keeping quality 85068*
labor 40383 43322 85265*
Germany
East Germany 57740* 94235*
USSR 14784* 14785* 17255* 31776* 51842* 85308* 85581* 94203* 94225*
loading equipment 92707*
losses 51850* 85058*
male sterile 50883 33694* 68480* 87479*
marketing 57533 94070*
mechanization 21559 13124*
California 47281
Czechoslovakia 82941*
France 82934*
Germany 92727*
East Germany 57740*
Great Britain 47305 64794 73978 29862*
Switzerland 21544*
USSR 73956 82964 29853* 56071* 73941* 73958* 73960* 73961* 82957* 82960* 82986* 82990* 82995* 85581* 85671*
moisture 85028*
morphology 33694* 59537*
nematodes 24457 77277*
California 16175
Canada 33439

Item

Sugar beets--Cont
nematodes--cont
control 616 42054 42081 44052 77276 77292
biological 77287*
Italy 87105*
Netherlands 59200*
Switzerland 77272*
North Dakota 14606
nutritional deficiencies 60021 35382*
packing 64906
pest control 4622 4647 28986 44265 46448 46456 55426*
Bulgaria 46429*
California 4657 46448 58851 77052
Canada 81659 81671
Czechoslovakia 67757* 73197* 73213*
France 77070*
Germany 37685* 81712*
Great Britain 33186 46436 77056
Hungary 73210* 73263*
Israel 91949
Italy 81651*
Poland 73214* 81670* 86678* 92096* 92097* 92098* 92133*
Sweden 29007*
Switzerland 55429*
USSR 29019* 37614* 55413* 55419* 55443* 55459* 63878* 73187* 81673* 81674* 81677* 81685* 81686* 81694* 81703* 81706* 86707* 92088* 92124*
pests 63877 92067 92463 28976*
California 12483 82519
Canada 64422
Czechoslovakia 73188* 73189* 73198*
forecasting 73261*
Germany 37648*
Great Britain 4610
Morocco 81696*
surveys 29043
USSR 37658*
planting 34570 43329 43330 9528* 51848* 78004* 88087*
Canada 1648
equipment 47367 83081 92778 92787 47369* 74076* 92783*
costs 56142*
Germany 56156* 64863* 74058* 74078* 74079*
Hungary 74065* 74066*
Japan 74083*
USSR 38681* 56141* 64846* 77989* 83073* 83076* 83079*
Germany
East Germany 51846*
Japan 78000*
Lithuania 88736*
Pakistan 88764
Poland 9530* 70648*
Syria 17237
USSR 9534* 9538* 9539* 17238* 34553* 34569* 43333* 51841* 69656* 69671* 77994* 78768* 83058* 88730* 88749* 88752* 88762* 88777*
planting date 50489 25517* 51856* 68989* 69658* 77474* 78006* 88758*
policies and programs
USSR 22842* 22851* 85006* 85008*
pollen 87794*

Item

Sugar beets--Cont
pollination 68745 69667*
prices 14613* 22827* 22891*
processing 7243 57541 59915 7257* 14593* 14594* 14618* 31568* 57506* 57559* 75715* 75765* 94038* 94045*
Argentina 84990
cooperatives 84997
equipment 85047 5763* 7280* 14595* 31569* 57543* 66229*
Germany 84997 85056*
East Germany 66228*
Spain 77987*
USSR 31539* 94071*
production quotas 94076
production regions 48906* 84994* 94400*
products 30303* 94048*
propagation 77992*
properties 7257* 22826* 94082*
pulp 7243 22839 22826* 22834* 57522* 66229* 74926* 76284* 83131*
feed 3365 27255 45494 71690*
quality 1125* 22827* 22859* 22889* 25119* 57522*
Germany 70601*
USSR 2347* 43333*
research
statistical methods 51848* 75767* 77994*
seed 34570 8935* 14623* 34134* 43339* 69656* 88740* 88754* 88769* 92839*
seeds 22818 9528* 50944* 51838* 69673* 78593*
certified 94010*
Germany 9526
East Germany 51846*
harvesting 5752* 13237* 83079* 83118*
Hungary 88738*
monogerm 7190 40383 43323 43329 43337 68490 78005 92778 24866* 24983* 34556* 59725* 88753* 88770*
Belgium 51849*
Italy 69675*
Poland 77991* 88745*
USSR 84975* 85068* 88737* 88741* 88755* 88772*
processing 7190 42692* 42693*
quality 78648*
Rumania 78007*
segmented 9534* 14577* 17255* 51837* 69662* 78007* 88753* 88766*
size 74083*
treatment 44265 77165 34235* 51126* 67895* 68627* 68991* 69001* 73263* 81712* 86786*
USSR 9524* 9538* 10304* 14574* 14583* 14584* 14996* 17245* 17249* 25509* 25517* 34553* 43328* 69670* 69680* 73941* 78006* 78765* 88085* 88743* 88750* 88751* 88765* 88779*
situation and outlook 85001 57519*
Chile 48919*
Italy 57519*
Poland 85043*
USSR 7292*
soils 26106* 44011* 61128*
Germany 1125* 69674*

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Item

Sugar beets--Cont
soils--cont
Hungary 52790
Poland 88761*
USSR 10227* 25517* 78646* 89712* 89783*
spraying and dusting 83166 55419* 55443*
Austria 64929*
Bulgaria 24231*
equipment 5801 21664*
statistics 14614* 48930* 94062*
storage 31566* 85058* 85068* 88740*
conferences and congresses 57536*
Czechoslovakia 57517*
diseases 34561* 42664* 85069* 87749* 94030*
Germany
East Germany 51850* 66228*
Poland 75755*
Rumania 94057* 94063*
structures 83271 13385*
USSR 8935* 13889* 14621* 14626* 48940* 92839* 94045*
ventilation 13381* 14600* 34134* 94035* 94057*
tests 31556* 75777* 85028*
thinning 17264 43322
equipment 38660 38665 38661* 83062*
Germany 74046*
USSR 74052* 83073*
USSR 51837* 51842* 51857* 69656* 69660* 87752* 88776*
tops 69053 3072* 31592* 51852*
feed 27245* 36589* 45230* 80288*
transportation 14592* 30010* 66212* 66222* 85028* 85058*
utilization 85040* 94056*
varieties 9513* 17247* 60612* 87833* 94082*
Austria 51836*
Belgium 17259* 51849*
California 77998
Czechoslovakia 51833* 57517* 60606* 60607*
Great Britain 34229 78009
Hungary 17265*
Poland 9530* 24367* 77991* 77995*
Rumania 43326*
Spain 17253*
Switzerland 69669*
USSR 9535* 9537* 9540* 25517* 25519* 77421* 88598* 88662* 88735* 88755* 88758* 88759* 88773* 88783*
virus diseases 8586 33369 24441* 41998* 68022* 77104*
Belgium 580* 68016*
control 4657 73197* 81712*
California 46441 50489
Great Britain 46436
Poland 41990* 73214* 81670*
USSR 87021*
Czechoslovakia 73189* 73198* 92062*
Denmark 63877
Europe 81650
Great Britain 24412 33387 41997 77253
transmission 92067 92068
USSR 41995* 67992*

Item

Sugar beets--Cont
waste
feed 19422* 36689* 80146* 94038*
utilization 78730 57498* 94050* 94051*
weed control 1910 1953 43330 43667 43678 43698 46448 55426* 78216*
Belgium 17674* 60966*
California 17659 18474 43670 58851
Canada 1911
chemical 43675 1932* 89264*
Colorado 43842
costs 78238
equipment 83166 56121* 64929*
Germany 60928* 60946* 70010* 70040*
Great Britain 34955 34956 34974 35022 78191
Italy 60932* 70008* 70020*
USSR 9914* 25936* 78192* 78770* 86707*
Wyoming 1908 89251
weight and measurement 31598* 66221*
yields 1270 44265 1650* 10270* 68810* 70552* 70553* 70648* 77693*
Austria 48913*
Canada 2256 2312
Finland 9527* 10294*
Germany 51856* 70601*
Great Britain 52691 78009
Poland 78653* 94056*
Switzerland 25119*
Syria 17237
USSR 2347* 9540* 10227* 18373* 26316* 34569* 52779* 68570* 68627* 68991* 69658* 69662* 69664* 70743* 78648* 78756* 83073* 88730* 88734* 88735* 88749* 88762* 88767* 88768*
Yugoslavia 9536*
Sugar Club Annual 94074
Sugar maple SEE Acer saccharum
Sugar pine SEE Pinus lambertiana
Sugar Research Institute 75731
Sugar Technologists Association of India 75769
Sugar y Azucar Yearbook 57571
Sugarcane 85037*
accounting 23319
acreage and area 7291 85079
advisory services 34550 57538*
Africa 85050
analysis and composition 40190 48929 57526 66224 66238
anatomy and physiology 4613 16763 25153 33885 33973 33974 33985 34001 43325 50746 51001 51006 51058 51345 51851 69088 77484 87483 1018* 1181* 1182* 1303* 1305* 69024* 77688* 87967*
associations 34555
Australia 40174
bacterial diseases 50445 50452 50453

Item

Sugarcane--Cont
bacterial diseases--cont
Australia 50438 50446 50460
Taiwan 86994
breeding 25510 43338 51847 59378 77999 33802*
Australia 25521 51830
British West Indies 25511 43340
India 9525
Indonesia 25514
Philippines 17244
Taiwan 17260 34559* 69678*
conferences and congresses 22853 57558
contamination 7282*
cooperatives 83407*
costs and returns 23374 31544 32034 32035 32043 49320
culture 1651 25522 57541 88728*
Australia 17263
Brazil 89798*
British Guiana 88732 88733
British West Indies 18391 43325 43340
Florida 9532 17239 17257
Ghana 88771
Hawaii 25515 33885 44323
India 17858 25513 34001 52887 70142 25512*
Indonesia 17248
Mexico 1654* 34560* 34562* 51832* 51839* 77993*
Philippines 34550 60608
Puerto Rico 77988 43324*
study and teaching 43336
Taiwan 17260 18398 18491 18569 1652* 26373* 35443*
Thailand 78003
USSR 60610*
cytology 773 25510 59378
deterioration 40165*
disease resistance 24355 50438 51829 77168
diseases 50187 50188 41585* 50201*
Australia 16108
Hawaii 42918
India 50223
Trinidad 43325
ecology 24501
equipment 22829 73967
feed 83977*
fertilizers 1651 2251 2252 26526 35355 61333 61342 78584 77688*
Australia 18376 35403 52730
Brazil 78717*
British Guiana 88739
Florida 18319
Hawaii 26213 70521 78566
India 2336 18355 35286 35308 35335 35412 35428 40194
Mauritius 18384
Mexico 52813* 61416*
Pakistan 35423
Philippines 35312 35410 44283
Republic of South Africa 26255
Taiwan 44289 2346*
flowering date 43338

Item

Sugarcane--Cont
fungus diseases 1044 50256 50261 50271 50331 50332 50357 50366—50368 50390 50416 50428 59058
Brazil 77105*
control 59060
India 24321 59059
Jamaica 20743*
Louisiana 8546
Philippines 77167
Taiwan 434 435 24289 67848*
genetics 33802* 68524*
germination 16630 67983
reviews 1204 25097
grading and standardization 22838
harvesting
equipment 29953 47400 74092 83083 83088*
Australia 47410
Hawaii 47395 47396 47401 47408 47415
Hawaii 43331 43334
India 1655
harvesting date 43321 77982
history 85050
hybrids 25510 34548 60611*
industry
Australia 31590 48937
British Honduras 40200
Hawaii 22987 44358
irrigation 26526 52950 69088 78865
Australia 35523 52989
British Guiana 26566
Hawaii 44358 44391 44394 44451
India 26514 43321
Philippines 2378
Republic of South Africa 18434 18435 78867
Taiwan 18491
juice and sirup
analysis and composition 7242 22844 85016 94042
chemistry 48918*
clarification 7261 22832 22837 22841 22864 22865 57535 57562 57569 66218 66234 85009 7247* 75727*
processing 22892 40173 57568 57577 85000 85004 85019
proteins 83977*
quality 57568
statistics 85079
storage 22875
labor 40374 40402 48910 66482 75760
loading equipment 21521 74092
losses 29953 75751
marketing 22900
marketing quotas 85067
Mauritius 7287
mechanization 21526
nematode resistance 8643 77168
nematodes 618
bibliographies 77298
control 8619 8635
India 599 619 8639
Republic of South Africa 77266
Rhodesia and Nyasaland 77280
nutritional deficiencies 9151 51023 51345 77464 77517
Pakistan 48929

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Item

Sugarcane--Cont
pest control 20788 46468 55243 81649
Australia 20744 20796 37655 50181 55431
biological 12501 20759 73223 81701 92077 4631* 29009*
Hawaii 41644 41699
India 4626 12464 50223 55376
Jamaica 73220
Louisiana 28989 29000 55425
Mexico 92083*
research
statistical methods 88728*
Venezuela 46484*
pest resistance 29030 92083*
pests 55378 55445* 81691*
Australia 37647 37677 37687
Brazil 55383*
British Guiana 86718
British West Indies 4613 43325 55378 20743*
India 29030 55815
Mauritius 81731
Mexico 4614*
Reunion 81731
Taiwan 4631*
plant parasites 52234 89392
plantations 32034 48924 7709*
planting 77989*
Hawaii 1653 33974 43319 43332 43341 69666 69679 69681 69682
prices 7283 22885 22886 85079 34562*
processing 22829 31535 40196 48908 48944 57510 57531 57540 57541 57549 57554 57566 14618*
Australia 57516 66219
equipment 57499 57549 64910 75730 75768
Australia 57520 57528
Hawaii 48933 48942 48953
India 40170
Hawaii 48933 75746
Mexico 57565*
Taiwan 7246* 7247*
USSR 14625*
products 31590 83977*
propagation 16630 33973 42918
properties 57531
Puerto Rico 77484
quality 1655 23374 26526 43321
research
statistical methods 25520 57502 88728*
sanitation 31535
seeds 17248 24438 47400 49320 50223 85079
soilless culture 41985
soils 44003 51001 61342
Australia 40768
Florida 18319
Hawaii 78566 78925
India 35129 35183 35234 35235 35246 44112 52887 57568 10113*
Mexico 52983* 94077*
Philippines 35416
Taiwan 78927 83056 35443*
spraying and dusting 38747
statistics 85079
British Honduras 40200

Item

Sugarcane--Cont
statistics--cont
India 31536 40197 66232 66243
Republic of South Africa 85021
tests 7242 7267 48923
topping 33974
trade 7892
transportation 40159 48910 48915
utilization 7291
varieties 43338 33802*
Australia 17240 17246 17250 25520 25521 34558 34571 51828 51855
Brazil 34564*
British Guiana 88739
Florida 9533 51845
Guadeloupe 69659*
India 8643 17261 25518 29030 34551 34552 34565 34567 34568 51829
Jamaica 17262
Mauritius 51851
Mexico 34554* 51835* 60609* 60611* 78001*
Pakistan 35423
Peru 25523
Philippines 17256 34549 34563 34566 44283 77168
Puerto Rico 17241*
Republic of South Africa 77985
Taiwan 77996 24416* 34559*
virus diseases 50463
50464 50491 50515 50516 68042
Australia 556 41985 42037 50481
Colombia 33379
control 24438 33372 33373 59113 67983
Malagasy Republic 33367*
Puerto Rico 34949 67982 67984
Reunion 68038*
Taiwan 24416* 33386*
waste
feed 19722 45485 46113 81186
fertilizers 2321
weed control 17815 43709
Australia 17645 17737 17778 25940 34960 52339
Brazil 89252* 89378*
Florida 9896 9898
Hawaii 25906 43688 43805 70016 70044 70045 70095 70098 70106 70107 70112 89312
Louisiana 43813 70091
Puerto Rico 34949 78196
Republic of South Africa 35052 78222 78223 78231 78232
West Indies 17671 52246
weight and measurement 66239
yields 26526 57573 78584 85079
Australia 57502
India 2336 35129 35412 35428 43321 77982
Jamaica 18391
Louisiana 32035
Mexico 34562*
Peru 25523
Philippines 34548 34549 34563 34566 35410 44283
Puerto Rico 77988

Item

Sugarcane--Cont
yields--cont
Republic of South Africa 78222
Taiwan 18398 83056 1181* 24416* 26373* 35443*
Sugarcane borer SEE Diatraea saccharalis
Sugarcane wax 14507 40166 40199

Sugars
acetylation 57497*
analysis and composition 22846 22896 31571 40162 40183 48904 48932 48946 48947 57545 57546 57563 85031 85059 94053 14602* 14605* 31545* 31546* 31551* 31587* 31588* 48939* 57513* 75741* 85003* 94036*
chemistry 22639 22823 40157 40168 66248 85042 7265* 7279* 14590* 31563* 66246* 85018* 85049* 85080* 94029*
color 75717* 75724* 94075*
contamination 22846
determination 39165 74429 30417* 56548* 83666* 84209* 84609* 85013*
effects on nematodes 42081
effects on plants 16404 42637 68545 87486 16637*
feed for silkworms 20988*
fermentation 7288* 39727*
hydrogen-ion concentration 14602* 31585*
in apples 60195*
in brewing 39193*
in carob beans 57082* 65797*
in citrus 25028
in fruit 84209*
in fruit juices 75113*
in grain 65890
in grapes 75160* 87778*
in gums and resins 94099
in honey 22550
in insect physiology 46962 21274* 37871*
in meat 84609*
in molasses 40203* 94040*
in nectar 20975
in palm juice 40167
in peas 87811*
in plants 1382 9263 16506 16943 24913 25093 34059 51058 69168 69180 88239 1147* 1176* 8930* 9104* 16902* 21784* 24873* 25090* 42802* 60119* 60211* 60348* 60354* 68657* 68666* 68735* 68810* 68932* 69131* 69233* 77693* 77801* 86989* 87635* 87896*
bibliographies 1009
in pollen 20974
in potatoes 84362
in poultry meat 75643
in rape 9266
in royal jelly 81933
in semen 36159*
in silage 90532*
in soils 2091
in sugar beets 968 978 2312 59915 88729 1020* 9540* 10227* 17251* 22827* 31566* 31592* 34557* 43342* 57522* 68627* 69657* 78002* 87594* 87795* 87848* 88734* 88748* 88760

Item

Sugars--Cont
in sugarcane 1182* 94029*
in sulfite liquor 53648*
in vegetables 14187* 25004*
in wine 21977* 30417* 56548* 74618* 75113*
in wort 39165
in yoghurt 74698*
microorganisms 14607* 48949* 75756* 85054*
moisture 22831 48932 66242 14620* 31600* 57505*
determination 22901* 31540* 31570* 75720* 75762*
oxidation-reduction potential 22857
properties 31560* 31561* 75735* 85074*
research
statistical methods 85042
tests 7260 40162 40201 14607* 31560* 57497*
waste 89897* 94060*
SEE ALSO Sugar, and kinds of sugars
Sugi SEE Cryptomeria japonica
Suillus variegatus 67647*
Suis 21790*
Sukachev V N 87200*
Sulcorebutia 32840 67494
Sulfa drugs SEE Sulfonamides
Sulfadiazine 12007
Sulfadimethoxine 91253
Sulfaguanidine 72975
Sulfamerazine 54679*
Sulfamethazine 11591 36976 37360 37167* 45315*
Sulfamethoxypyridazine 36579 37360 45590* 63041* 72102* 80267*
Sulfamides SEE Sulfonamides
Sulfanilamide 37277 45894 53911* 80560*
Sulfapyrazinemethoxyne 36579 37360
Sulfaquinoxaline 63490 91480
Sulfate liquor 36064 45080 45135 48685 53658 79561 53647* 62157* 62212*
Sulfates
effects on plants 24839*
fertilizers 26304 26305
in cattle nutrition 19771
in flour processing 6789 93742
in plants 16507 42965 42991 51047 51218 77830 81023 33995*
reviews 77834
in poultry physiology 37010
in soils 10033 10055 35128 52548 70242 78336 43948* 43985* 61151* 51157*
bibliographies 2127
in sugars 48918*
Sulfathiazole 37875
Sulfathiazole sodium 29202
Sulfhydryl compounds SEE Mercapto compounds
Sulfhydryl group SEE Mercapto group
Sulfides 89273 50404* 73107* 84082*
Sulfite liquor
analysis and composition 36053 36069 90413 53648*
chemistry 79543 36052*
products 11040 27120 2931* 19282* 36039* 45052*
properties 53649* 79551*
recovery 36082* 91428*
Sulfites 7262
chemistry 22401

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Item

Sulfites--Cont
determination 6898
in food processing 48455 7310*
in meat 93817*
in tanning 45081* 48697*
in wine analysis 13640*
Sulfo-phospho-vanillin reaction 80244*
Sulfobromophthalein sodium 19926*
Sulfodimesin SEE Sulfamethazine
Sulfolipids 25222
Sulfonamides
effects on cattle 91101*
effects on plant disease 33067*
effects on poultry 63333
effects on rabbits 20313*
fungicides 24206*
in blood 63041*
in milk 27892*
therapeutic use 11962 27403* 27728* 53950* 81967* 90572*
Sulfones 73107*
Sulfoniazid 54804*
Sulfonic acids 39928* 41946*
beta-Sulfopropionic acid 7262
Sulfosuccinic acid 24434
Sulfotepp 92010*
Sulfur
colloids 86970*
determination 78329 78664 6602* 13640* 78382*
effects on plants 9066 9142 16540 24883 42220 42994 50497 51416 58981 68617 89657 8876* 50990* 68949*
bibliographies 1008
fertilizers 2530 10494 61161 78982 79004 79027 89657 50990* 70542* 70637* 89675*
cotton 44134
Cynodon dactylon 44197 70558
field crops 78634*
pastures and meadows 89715
tea 78387 26346*
wheat 89664*
fungicides 33175 24209* 24269* 41747* 50413* 67781* 77191*
in animal nutrition 3029 27286*
in cattle physiology 80284*
in fibers 28545 56865 20349* 80991*
in fruit processing 48451*
in insect nutrition 29348
in keratin 84037
in malt 14259*
in pigeon physiology 80844*
in plants 2349 9066 9310 16013 16540 42965 51021 51517 78664 87902 22475* 26081* 33866* 33918* 68984* 80284* 84218*
in poultry nutrition 72526 91446*
reviews 45932
in rabbit physiology 20424*
in sheep nutrition 28545
in sheep physiology 81022 20424*
in soils 2349 10306 16540 26124 51228 52473 52529 52759 78329 26081* 52545* 78382*
Australia 26066
California 10042
Canada 2095
Mississippi 35170

Item

Sulfur--Cont
in soils--cont
Poland 10251*
Southeastern States 52496
in swine nutrition 20474*
in tobacco 85103*
in wood preservation 71453*
insecticides 73105 81834
Sulfur compounds 87903 24557* 42997*
Sulfur dioxide
determination 6644 22342 21941* 65343* 83702*
effects on plants 86671 26946*
fungicides 15991
in beverages 13621 65343*
in food processing 5997 22415 31038* 57074* 84746*
in fruit 22342
in fruit juices 6724 83702*
in pulp and paper manufacture 36047 2926*
in silage preparation 36211*
in wine 21941* 65343* 83702*
in wine manufacture 65344* 74604*
residues 79371*
toxicity 5997
Sulfur trioxide 79721*
Sulfuric acid 89480
determination 14064* 83699*
effects on plants 16689 1199* 11065* 33832* 60111*
effects on wood 79573 79574
in casein manufacture 91814
in fruit juices 83699*
in turpentining 53680 2956* 27153* 71544*
in wine 83699*
in wine manufacture 13645* 47863*
Sulfuric anhydride SEE Sulfur trioxide
Sulfurous acid 74629*
m-Sulfurpentafluorophenyl diethyl phosphate 81416
m-Sulfurpentafluorophenyl N-methylcarbamate 81416
Sulfuryl choline 961
Sulfuryl fluoride 37823
Sulkowitch's test 12274*
Sulla sweetvetch 18102* 93469*
Sumac SEE Rhus
Summer bunch rot
grapes 33221 86812
Summer sores 20094 63156 19847* 72412*
Sun scald
apples 41686*
corn 24138
Sunflower meal 27585* 36176* 37324* 54139* 54158* 55037*
Sunflower oil 84814* 93919*
acids 57359*
chemistry 14495* 57398*
extraction 93926*
feed 45934
processing 75596*
storage 57402* 93938*
Sunflowers
anatomy and physiology 1346 8989 9051 9109 9210 42893 51414 59989 60073 87649 87769 87887 1070* 1115* 8870* 9114* 24799* 24850* 24880* 25072* 25073* 34045* 34051* 42615* 42807* 59780* 59888* 60167* 68542* 68550*

Item

Sunflowers--Cont
anatomy and physiology--cont 68914* 68939* 87519* 87596* 87728* 87775* 87810* 87961* 87974* 88065* 88090*
Argentina 7078* 31388*
bacterial diseases 59102
biochemistry 1346 43024 51529 9286* 34291* 69209* 88184* 88196* 88226*
breeding 17234* 25504* 88726*
cooperatives 75608*
costs and returns 66133* 76250*
culture
Hungary 69632* 69643* 87810*
Rumania 88658*
USSR 9519* 9521* 17223* 60603* 69642* 69645* 87519*
cytology 33742 42272* 68394* 87362* 88196*
enzymes 87980* 88184*
fat and oil content 22685* 25504* 26335* 87519* 87596* 88090*
feed 12092 19398*
fertilizers 10281* 26335* 59888* 70582* 89769*
forage plant 27670* 69558*
fungus diseases 8532 58915* 67841* 86916*
genetics 68482*
Germany 88721*
harvesting 21625* 47402* 87596*
Hungary 2535*
irrigation 10281*
morphology 59613* 68274*
nutritional deficiencies 9045* 59613*
pest control 29031* 37660* 63944*
pests 46522 29711*
planting 9114* 59780* 69635*
Czechoslovakia 60595*
Rumania 60600—60602*
USSR 47377*
planting date 52884* 69636*
pollen 42807*
pollination 24889* 42272* 55178* 68394*
production regions 84814*
propagation 25502*
seeds 9519* 37660* 60603* 88726*
analysis and composition 25504*
chemistry 14499*
drying 14499* 93153*
fat and oil content 57359*
grading and standardization 57459*
hulls 17234* 22668* 63243* 84831*
quality 57484*
storage 93918*
tests 75577*
treatment 63944*
yields 55178*
soilless culture 88065*
soils 59780* 60602* 89538*
USSR 43721* 66133* 84814*
varieties 57359* 88090*
waste 19398*
weed control 9924*
yields 69636*
Sunkist Growers 39633 48389
Sunn Crotalaria 823 8862 67997 68907
Sunn hemp SEE Sunn Crotalaria
Sunorfa 29368*
Suomen Osuuskauppojen Keskuskunta 85450

Item

Supella supellectilium 4447 55993*
Superfetation 45749 63383*
Superior National Forest 90274
Supermarkets 14084 14543 38915 65112 93835 93841 94108
Great Britain 47701
Kenya 13459
Ohio 94109
Superphosphates 10187 10234 10500 18360 35612 51137 52740 61351 78751 87966 2093* 2857* 26259* 26342* 35369* 43958* 59782* 61450* 61660* 74308* 78591* 78645* 89677* 89743*
analysis and composition 26620
application 44224 52865* 70650* 70921*
Australia 2317 18323 44755
Belgium 44142*
Bulgaria 18942*
disinfectant 46071 72753*
Hungary 52738*
India 2292 78713
Kenya 78650
manufacture 10495 26628 44503 79014 78987*
New Zealand 73206
Norway 78613*
Philippines 77617
Republic of South Africa 90150
Rumania 44141* 89659*
tests 61370*
USSR 20703* 24876* 26335* 35347* 52747* 70573* 89637* 90177*
Supersonic vibrations 23719
effects on insects 29218*
effects on plants 16691 16690* 42895* 68548* 68699*
effects on seeds 8978* 33919* 69236*
effects on trees 2725*
in animal research 11681 14360 19501 20014 45601 46298 53860 12261* 12292* 36313* 53922* 72760* 80054*
in carcass grading 46287 54489 62976 4244* 63635* 80343*
in dairy industry 65428 48062* 56790*
in egg industry 75620
in food processing 56492 84763 57064* 74508* 83523* 93141*
in pulp and paper processing 45051*
in soil analysis 43925*
in starch analysis 5947*
in wood research 90458*
bibliographies 19327
Superstat 46046
Suphisellus 21114*
Supply and demand 13470 13490 14983 30120 31958 56366 56370 58079 65588 74447 83408 93928
research
statistical methods 13463 13465 13473 13474 13476 13478 13481 13489 13490 14977 14984 15035
Supronal 36598* 54452*
Suramin sodium 11336* 34070*
Surface-active agents 50165 41758*

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Item

Surface-active agents--Cont
effects on fibers 6480 22280*
effects on insecticides 81439
effects on plants 17730 29087 9184*
effects on seeds 44849*
effects on soils 10000 26018 78299*
effects on starches 5931
in animal nutrition 80753
in food processing 31052
in insects 82468
in olive oil processing 31384* 48781*
in pulp and paper processing 45062 71533* 71534* 79569*
in wine manufacture 30390*
Surfactants SEE Surface-active agents
Surgery 19435 19450 19591 36273 36813 45259 45285 45318 71725 71755 71798 71813 71848 71860 19432* 27405* 27414* 36276* 53890* 53927* 62432* 90605*
reviews 3079*
Suriana maritima 41391* 76944*
Surinam Dept van Landbouw Veeteelt en Visserij 49766*
Surinam Dienst Landsbosbeheer 10547*
Surinam Landbouwproefstation 32610*
Surirella 32927*
Surkhan-Darya Sel'skokhozyaistvennaya Opytnaya Stantsiya 34464*
Surpluses 14886 49041 52912 57804 57883 58075 66426 23626*
disposal 23640 30177 56388 56398 58281 76071 76536 76549 76566 76572 76578 83831 32360*
SEE ALSO SUBHEADS purchase and sale programs; surpluses UNDER specific subjects
Surra 11254 63149
Surudia somalia 82821
Survey of Biological Progress 58384
Surveying 82921 85572 92684 5671*
Alaska 23289
Australia 66870
Canada 27000
Germany 85728*
Iran 85678
Japan 47271*
Jordan 94395
Sierra Leone 85585
Tanganyika 23307 32010
USSR 64748*
Sutera 156
Suterella n g 64338
Sutures 28041 36273 53951 82076 19792* 27798* 62718*
Suxamethonium SEE Succinylcholine chloride
Suyuz na Zemedelskit Gorskite Lozarskite i Gradinarskite Rabotnitsi 40892*
Svedelius N 67200*
Svenska Agghandelsforbundet 22772*
Svenska Cellulosa Aktiebolaget 19277
Svenska Kennelklubben 3643
Svenska Lantmannens Riksforbund 76691*
Svenska Linne-Sällskapet 58556*
Svenska Mejeriernas Riksforening 83838*
Svenska Vallforeningen 77961*
Sveriges Biodlares Riksforbund 81983*
Sveriges Jordbrukskassefor-bund 66414*
Sveriges Kronojagareforbund 18663*
Sveriges Palsdjursuppfodares Riksforbund 28086* 54600*
Sveriges Slakteriforbund 84664*
Sveriges Utsadesforening 9326 1409* 1440* 7189* 25265* 25266* 57491*
Svida SEE Cornus
Swain H D 8024
Swammerdamella 73665
Swamp fever of horses SEE Equine infectious anemia
Swamps 35145
Australia 44455
Canada 50571
Finland 18213*
Florida 637
India 675
Mozambique 59293
Rhodesia and Nyasaland 68183
Rumania 44844*
Uganda 21254 29498
USSR 18412 61875 10422* 16402* 59317* 68153* 77333*
SEE ALSO Marshes; Peat bogs
Swartzia mazaganensis 23987*
Swayback 81021 54921* 63483*
Sweat 4118
Sweat glands 63501*
Sweating sickness 45793
Sweden Domanstyrelsen 35642* 90199*
Sweden Lappvasendet 85195*
Swedes SEE Rutabagas
Sweet-almond oil 7110
Sweet Pea Annual 34802
Sweetclover 9515*
anatomy and physiology 16658 16958 42656 59910 8892*
biochemistry 9275 16958 25203 42967
culture 9487* 60500* 69526*
cytology 68278
effects on soils 2280*
fertilizers 59910
fungus diseases 59003
genetics 16958 68446
germination 60076 87943*
hybrids 68277 68446
pest control 12485
pest resistance 29004
pollen 59887
seeds 68277 16658 42656 14572*
soils 60500*
varieties 9473
virus diseases 50509 67988
yields 59910
Sweetcorn
anatomy and physiology 33908
bacterial diseases 50462
culture 9850 17562 69963 89184
diseases 77081*
fertilizers 52796 52966 52993 61078
for processing 17562 22390 89215
genetics 87397*
hybrids 43612 69920 34893* 69994*
irrigation 52966 52993
Sweetcorn--Cont
marketing 56993 57007
nematodes 16189
pest control 4652 4660 4666 20711 20742
Canada 42460
Florida 46453 63907 63908
Ohio 73252
pest resistance 28983 92129
pests 4612 21394
pollination 69994*
varieties 4666 20711 28983 52089 89215 92129
weed control 17762 17785 17812 52270 52315 63908
yields 43612 52966 61078
Sweetening materials 5939 6355 65524 75210 93408
bibliographies 40187*
Sweetgum SEE Liquidambar
Sweetpeas SEE Lathyrus odoratus
Sweetpotato flakes 6709 30951 75185
Sweetpotato starch 75100*
Sweetpotatoes
acreage and area 6738 39692 93677 93678
analysis and composition 39749 84217*
anatomy and physiology 1119 8410 8867 77599 87659 25026* 25105* 34008* 42455* 87627*
biochemistry 564 8545 16889
breeding 34913
reviews 78163
canned 39661 65785 75140
consumer preferences 30960 39661 84224
consumption 6653
cooked 39749 75185
culture 17569 60859 34909* 60866*
culture medium 65227
damage 65751
directories 31625
diseases 6712 8545 34008*
dried 75185
ecology 25026*
enzymes 84212 6645*
feed 45918*
fertilizers 8867 10290 26340 35284 44138 52785 78718
for processing 14111
fumigation 31007 65751
fungus diseases 8410 8544 8545 41727 58957
genetics 24742
grading and standardization 30960
harvesting 14111
industry 22314 56938 93550
irradiation 39761*
marketing 6670 39692 75140
nematodes 42069 87128*
nutritive value 49733
packed 30960 84224
pest control 81641 81684 92136*
pests 4665 29015 4625*
prices 6738 93677 93678
production regions 93550
products 6709
Sweetpotatoes--Cont
propagation 17569 42455* 87627*
quality 14111 35284
spoilage 31007
statistics 6738 93677 93678
storage 6712 93657
varieties 34934 39749
Georgia 17584
Puerto Rico 14111
Texas 9841 26340 78718
virus diseases 564 16129 42008
vitamins 49744
weed control 17780 43819 52309 52334 60955
yields 6738 9841 17569 34913 35284 93677 93678
Sweetsultan SEE Centaurea moschata
Swertia 15780*
Swertia dicussata 41410
Swietenia 18727
Swietenia macrophylla 77300*
Swine 4298 20483 62514 73044 28724*
abnormalities 54988 46283* 55105* 81276* 81322* 91774*
accounting 85624 66022*
adaptation 20511
Africa 73050
age 4252* 55035* 55045* 73024* 73029* 81309*
anatomy and physiology 55039 63659 63676 12254* 12281* 20501* 27364* 28573* 37414* 37418* 46265* 55033* 55085* 63641* 72901* 72995*
as laboratory animals 20508
associations 46288*
bacteria 55102*
Belgium 90796*
breeding 12188 20439 20445 28571 37298 37309 37427 46175 46176 46177 63571 91757 91780 91781 91785 4178* 12173* 31225* 37296* 37299* 72924* 73000* 81158* 81169* 90502* 91934*
Africa 4183*
Alabama 46297
Angola 72920*
Asia 4180*
Australia 28562 81161 4173*
Belgium 28550 20443* 28553* 37296* 46171*
Bulgaria 12191*
China 28558*
Czechoslovakia 28568* 54994* 63558* 79642*
Denmark 12189*
effects of age 81165* 81248*
effects of disease 81167*
effects of feeding 12187 37319 46185 54992 63555 28611* 55022* 55023* 55050* 63576*
effects of housing 5837* 5843* 13351* 38801*
Europe 20434 20449 4177* 4180*
France 28726*
Germany 12179* 12281* 36528* 37311* 54083* 81171*
East Germany 4190* 20447* 63563*

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Item

Swine--Cont
breeding--cont
Great Britain 5861 20451 28550 28570 46169 84553 4172*
Hungary 72899* 72900* 72906* 72911* 72912*
hybridization 4175 4182 37310 46168 12185* 46167* 54995* 72925* 73028* 73029*
Czechoslovakia 28565*
France 37301*
Great Britain 54990
Hungary 28560*
Iowa 91755
Italy 20437*
Minnesota 81170
Poland 72998* 73041* 81160* 81168*
Republic of South Africa 81151 91767
Rumania 91760*
Taiwan 63562
USSR 12305* 20442* 28407* 28549* 28554* 28567* 28573* 63564* 72897* 72901* 72926*
Yugoslavia 37303* 72910*
inbreeding 4182 54991 37294* 46172* 72913*
Iowa 63560
Italy 72902*
linebreeding 63559*
Mexico 37302*
Missouri 46170
Netherlands 28550 37300* 63552* 81155*
New Zealand 4187 20451
Norway 28564 71909*
Ohio 63553
Oklahoma 71684 91784
Pennsylvania 72931
Poland 91778*
Republic of South Africa 55003
research
statistical methods 37295
reviews 81152*
Scandinavia 4188*
seasonal 81288 46214*
South Carolina 12295
Sweden 4194*
Switzerland 46174*
USSR 4189* 12305* 28554* 28561* 54987* 63557* 63570* 71622* 94409*
USSR bloc 91763*
Venezuela 3021*
Yugoslavia 72910* 81167*
breeds 4188 62273 72921 91775 3021* 4172* 4173* 4176* 4177* 4178* 4180* 4183* 72902* 81274* 91769* 91772* 91901*
Belorussian Black Spotted 4186*
Beltsville No 1 91784
Berkjala 63565
Breitov 54989*
British Landrace 4170
Bulgarian Improved White 37324* 55007* 91756*
Cornwall 28565* 28580*
Czechoslovak Improved White 28565* 63558*
Danish Landrace 72917 81150*

Item

Swine--Cont
breeds--cont
Duroc 54992
Dutch Landrace 12179* 37303* 46167*
East Balkan 91756*
Flemish 46171*
German Improved Landrace 12179* 20447* 37306* 72910* 72925*
Hampshire 28551 28552 31270
Hungarian White 28560* 28602* 28627* 46167*
Iberian 55058*
Landrace 81151 28549* 28553* 28573* 37304* 91760*
Large Black 28573* 91786*
Large White 20432 37295 72907 81181 91779 4194* 12190* 20436* 20442* 20443* 28549* 28554* 28568* 37301* 37303* 46167* 54987* 54989* 72897* 72910* 72926* 72998* 73041* 81150* 81160* 81202*
Livny 28554*
Mangalitsa 72928* 91756* 91791*
Red 91765*
Middle White 72910*
Minnesota No 1 72925*
Minnesota No 3 72927
Mirgorod Spotted 28573*
Murom 72897* 72926*
North Caucasus 20442* 91782*
Pietrain 28550 37296* 37301* 63554* 63556* 72911* 81159*
Polish Lop-eared 81168*
Pulawy 72998* 73041* 81168* 91809* 91820*
South African Native 91767
Swabian-Hall 12179*
Swedish Landrace 91767 4194* 37303* 46167* 81168*
Swedish Large White 28560*
Ukrainian White Steppe 72913*
Urzhum 54989*
carcasses 46178 81269 20500* 28580* 72925*
analysis and composition 12266 39969 48645 81207 91933 73041*
bacteria 73042*
contests 14375 14397 91930 57283*
grading and standardization 48680 57270 63645 84681 4244* 14378* 48679* 55148*
judging 14379
reviews 14380
processing 40023 84723* 84724*
quality 4209 4213 6980 11681 12231 12252 28564 37315 37427 46287 55030 63603 63651 81181 81201 81234 91832 12186* 12229* 12261* 12292* 20466* 28660* 31296* 37421* 37423* 63635* 72897* 72935* 81153* 91764* 91802*
regulation and inspection 73040 6962* 20528* 46281* 91935*

Item

Swine--Cont
carcasses--cont
weight and measurement 4174 6958 12309 31285 63692 84681 91925 91933 28549* 28565* 31296* 37422* 48679* 63691* 91935*
yields 14379 31285 91881 12230* 66046* 66761*
reviews 14380
care 4305 6933 28733 46300 47539 4303* 37426* 46295* 63578* 91868* 91934*
Ceylon 91926
Czechoslovakia 73054
France 28726*
Germany 81349*
East Germany 12310*
Hungary 63688*
Indiana 12311
Malaya 46292
Mississippi 73047
Netherlands 81155*
New Zealand 73055
Oklahoma 55146
Rumania 7411*
seasonal 55150 73049 72943*
Spain 46294*
USSR 4218* 91938*
China 81342 91927
color 20433* 91759*
cooling 20542 55149 55150 63682 73049
cooperatives 31220
costs and returns 66758 28585*
Australia 85483 85624
Brazil 85617*
Bulgaria 7615*
Czechoslovakia 66641*
Denmark 58021*
Georgia 57904
Germany 40692* 57981* 76259* 85642* 94404*
East Germany 94504*
Great Britain 40649 84557 85627
Indiana 23331 23368 23370 49296
Iowa 31953
Kenya 40694
Minnesota 57919 66707
Mississippi 32058 58019
New Zealand 58017
North Carolina 7680
Norway 76244*
Poland 49317*
Republic of South Africa 49348
Scotland 40653 58026
USSR 72926* 94405*
Virginia 23312
cytology 20499 28648 28671 81305 28688*
Czechoslovakia 4297*
deficiency diseases 37364 37384 12262* 28653* 46211*
digestion 37388 55063 81253 28554* 28588* 46244* 55058* 55096* 72992* 81284* 91916*
directories 63560
disease resistance 63675
diseases 4274 4281 4282 4283 20483 20504 20511 46243 63560 91842 91858 12279* 28690* 63620* 81315*
Aruba 45793
causes 20522*
control 4292 4296 20487 63686*

Item

Swine--Cont
diseases--cont
control--cont
Germany 72988*
Italy 28732*
Netherlands 20534*
Scotland 81331
Sweden 55123*
Switzerland 37373* 37401* 81281* 81312*
Denmark 55074* 55076*
Europe 63669
Germany 20486 73023*
Netherlands 81236*
prevention 54083*
Rhodesia and Nyasaland 63618
study and teaching 81281* 81312*
transmission 81307*
treatment 46275 91852 12230* 12233* 37372* 54083* 55043* 72117* 80267* 91860*
dwarf 81289
embryos 63601
anatomy and physiology 81299 72101* 72244*
immunization 37368
mortality 63624 20485* 46223* 72977* 73015*
viability 12188
equipment 5852 73058
estrus 20539 91762 37378* 46252* 55054* 72987* 73008* 81248* 91893*
farms and ranches 4302
Georgia 57904
Germany 57981*
Illinois 94396
Indiana 23370
management 4201 4299 28571 31961 37427 40594 73039 7598* 31225* 54083* 63690* 72944* 72970* 81351* 94454*
Alabama 46297
Brazil 63694*
Bulgaria 7615*
Czechoslovakia 66641*
Estonia 63695*
Georgia 76080
Germany 63585* 81349* 94404*
East Germany 63587*
Great Britain 5701 23263 37428 46293
Hungary 28627* 32018* 37386* 63688*
Iowa 31953
Kansas 57942
North Carolina 31965
Pennsylvania 72931
Poland 49317*
Republic of South Africa 15042
Rhodesia and Nyasaland 28581
Sweden 46190
USSR 14995* 57979* 66612* 66717* 85549* 94405* 94409* 94442*
Wisconsin 23257
Netherlands 37333*
New Zealand 91928
USSR 28561*
feed relationships 4209 4213 12221 20432 20542 28583 28606 28621 31302 37318 55030 75422 81181 81207 81235 81237 20441* 20541* 28554* 28585* 37422* 55005* 72910* 72946* 72965* 91815* 91819* 91820*
reviews 91819*

*Text of this reference is not in English.

Item

Swine--Cont
feeding and nutrition 4196 4201 4202 4223 12225 20454 20462 20464 20468 20480 28595 28610 28613 28677 28693 37316 37356 46180 46197 46216 53487 55006 55014 55027 63231 63579 63594 63600 72939 72942 81174 81180 81217 81226 91414 91814 7411* 12193* 12201* 20444* 20453* 20457* 28604* 28612* 28617* 28673* 46189* 47952* 54723* 55043* 55058* 63593* 63602* 63611* 72925* 72944* 72995* 81184* 81209* 81211* 81220* 81229* 91801* 91802* 91821* 91934*
Arkansas 12220
Australia 28589 28590 55053 72967 72968
Brazil 37336* 63608*
Bulgaria 12191* 55096* 63420*
Canada 4248
Chile 55028*
conferences and congresses 63604 81189*
Congo 4227*
cooperatives 72961*
costs 28587* 48129*
Australia 81179
Czechoslovakia 63592*
Germany 36528* 40692* 46199*
East Germany 37320*
Louisiana 55052
Netherlands 37328*
Scotland 40676
USSR 66770* 81216*
Czechoslovakia 28611* 46202* 72953* 91799* 91800*
deficiencies 4224 28694 46257 63583 91842 4207* 28696* 46186* 72937*
Denmark 4211* 12189* 37331* 63606*
East Africa 4208
equipment 38643 5720* 38648* 38725* 47445* 64810*
Czechoslovakia 83030*
Germany 47541*
East Germany 47440* 74020*
Hungary 74015*
Iowa 56272
Europe 20467
feedlot 4209 4221 12228 20459 28618 28720 37314 37427 46213 55013 81234 84597 91777 64997* 72970* 91937*
Bulgaria 37321* 37322* 37323* 55007*
Denmark 12216*
Germany
East Germany 28619* 37340*
Hungary 91786*
Italy 28731*
North Carolina 7680
Poland 63589* 72935* 81188*
USSR 4230* 4233* 20463* 28600* 37339* 46212* 55031* 55036* 55038* 55041* 63607* 66717* 91792* 91810*

Item

Swine--Cont
feeding and nutrition--cont
Germany 4226* 12196* 12199* 12219* 28577* 28597* 36528* 37326* 46196* 46210* 47445* 55016* 55032* 63585* 72950* 72973* 75926*
East Germany 12217* 20465* 28582* 28592* 28596* 28603* 28624* 37332* 55024* 63587* 81199* 81222* 81227*
Great Britain 46169
Hungary 28609* 28623 46201* 63610* 72934* 72956* 72971* 81187*
Illinois 36165
in pregnancy 46184 46204 63555 63601 63609 81197 20473*
Italy 37312*
Kenya 4205 4222
Netherlands 37330* 46182* 81236*
New Zealand 12204 28621 28733
Nigeria 12218
North Carolina 28622 63612
Norway 4195* 63591*
Oklahoma 71684
pasture and range 20460 20544 37427 46213 12215*
Australia 72933
Hungary 28602* 46200* 46214* 63577* 72951*
North Carolina 7680 55008
Republic of South Africa 63580
Spain 81224*
Pennsylvania 72974
Poland 81202* 81204* 81215* 91812*
recent developments 3046 28584 37313 72952 4198* 4203* 4204*
Republic of South Africa 4232 81219
research
statistical methods 91791*
restricted feeding 12231 55011 81213 37386* 55032* 55045* 55051* 63578* 63589* 81205*
Rhodesia and Nyasaland 28581 55010 91787
Rumania 72945* 72957* 91816*
seasonal 28591* 46186* 47548* 72943*
Spain 46294* 81231*
Sweden 46190 12223* 20471* 28598* 46193* 46280* 63586* 81173*
Switzerland 72015* 72073* 81193*
Taiwan 20461 37342 81186
USSR 54159 4218* 12195* 12222* 28599* 28656* 37341* 46183* 55033* 55035* 55050* 55109* 55142* 63574* 72981* 81206* 90510* 91806*
Yugoslavia 88593*
fertility 12188 20438 28557 37295 37298 37307 37310 37319 54992 63555 63565 72907 91762 91785 46171* 72900* 72928* 81160* 81169* 91759*
fossil 28129

Item

Swine--Cont
genetics 4169 4182 4185 4193 12175 20434 20449 20450 37307 54988 55000 79641 91767 91777 91779 20433* 28566* 54723* 63559* 72928* 81153*
germ-free 4274 4277 4296 12295 20487 20508 20516 20531 46231 55090 55139 63679 73039 81332 20537*
grading 39961 57269 20547*
growth 4182 4209 4213 4299 12226 20542 28583 28605 28606 28728 37314 37318 37356 37357 46298 55072 55108 63603 81201 81212 81213 81237 81269 4186* 4231* 12230* 20453* 20466* 20541* 28674* 37429* 55029* 55035* 55045* 55050* 55106* 63597* 63641* 72910* 72949* 72960* 72972* 72995* 73028* 81202* 81214* 81218* 91796* 91815*
habits and behavior 12175 36761 63610 63684 73048 73049 55153*
herd size 72970*
herdbooks 63566 72923 63563*
Danish Landrace 12178* 91770*
Lacombe 72903
Large White 37305 72922 12178*
hereditary diseases 46273 91889
history 55151*
housing 28720 30056 46216 47556 74307 30043* 63686* 73024* 92964*
Australia 47536 91936 92979
construction 38804* 64993* 92980*
costs 23312
Czechoslovakia 64993* 64997*
Denmark 83240*
designs and specifications 5840 5861 47539 47556 74281 38801* 92970*
Germany 47532* 47541* 56279* 74280* 74284*
East Germany 83235*
Great Britain 5858 74290
heating 93012 5854* 65001*
humidity 83239*
Hungary 5843*
insulation 65005* 92982*
Ireland 5834
Northern Ireland 74294
Norway 38805*
Pennsylvania 74270
sanitation 38825 81288 5854* 20536* 28096* 28097* 65041* 73052* 81340* 91539* 91862* 92977* 92979*
temperature 56270 73049 13351* 13352* 47548* 56282* 83239* 83248* 92982*
USSR 64995* 92974*

Item

Swine--Cont
housing--cont
ventilation 73049 74279 83238 37344*
immunization 37352 55113*
industry
as an occupation 46216
Belgium 48604
Canada 79982
France 14330*
Great Britain 48599 84553
Iowa 63560
Italy 28731* 28732* 57216* 75375*
Mexico 22563*
Missouri 45388 79978
Netherlands 75380*
Northern Ireland 84598
Oklahoma 66033
Oregon 12314
research
statistical methods 40031
Rwanda Burundi 65987*
vertical integration 31220 31221 31953 39885 65964 66020 7140* 48597*
infectious diseases 81323 81329 91898 91919 20536* 45315* 46251* 46265* 55115* 63638*
injuries 37417 73000*
judging 27364*
labor 7411* 40393* 47445* 49099* 75926* 85270* 94230*
lactation 12276 28733 46275 63594 63663 73004 81297 91876 12209* 12240* 20473* 37403* 55084* 63656* 73012* 73029* 81211*
litter 92979 91902*
litter size 4169 12188 37310 63697 81348 91936 81285* 91839*
losses 6933 72937* 72977* 81315* 91934*
marketing 6889 14363 14367 31270 39956 66021 66033 75421 84656
Canada 14364 84654 93837 93845
Georgia 66020
Germany 39950* 57260*
Kansas 14363
Louisiana 75422
Michigan 14361
Northern Ireland 84657
Oklahoma 66033
Poland 66022*
South Dakota 6934
Switzerland 75429*
Tennessee 65964
meat production 12266 12309 28719 28723 37427 46289 46298 63651 91925 4186* 12253* 12261* 37425* 46290* 55086* 81220* 91802*
conferences and congresses 81189*
Czechoslovakia 54994* 81346*
Denmark 12307* 73051*
effects of age 73041*
effects of breeding 4174 4175 4179 28555 28564 46178 63553 63569 91755 4176* 12186* 20444* 28560* 28565* 46166* 46167* 54993* 71938* 72904* 81165* 91756* 91764*

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Item

Swine--Cont
meat production--cont
effects of breeding--cont
Australia 91776
France 12180* 91769*
Germany 72925* 72930*
East Germany 72909*
Poland 72916* 73041*
Republic of South Africa 81151
Rumania 91760*
Taiwan 63562
USSR 28549* 28573* 72897*
Yugoslavia 37303*
effects of disease 73026 81350 90974 37377* 71831* 81258* 91849* 91909*
effects of drugs 12230*
effects of feeding 4199 4209 4213 4220 12211 12212 12231 28578 28583 28728 31283 37315 55021 55030 72936 81181 81185 81201 81207 81213 81234 81235 4229* 12197* 12203* 12229* 20466* 20469* 20475* 28580* 28591* 28625* 28627* 36478* 46191* 46194* 46198* 46207* 55046* 72935* 72947* 72949* 72965* 91796* 91798* 91808* 91809* 91815* 91820*
Australia 81191 91813
Austria 91804*
Denmark 81230*
France 12180*
Germany 72930*
East Germany 81225*
Netherlands 37333*
Norway 55029* 63596* 81200*
Poland 63590* 81233* 91795*
reviews 7009
Sweden 63605* 81198*
Switzerland 81195*
USSR 28629* 37339* 46209* 46217* 55004* 50037* 72959* 72964* 91792*
Yugoslavia 28620* 91822*
effects of housing 5837* 38801* 83248*
effects of sex 20543
effects of slaughtering 12308*
Germany 37430* 46295*
East Germany 20548* 91937*
Great Britain 40649
Hungary 63691*
Poland 81215*
Sweden 37423*
Switzerland 37421*
USSR 81206*
Yugoslavia 55152*
mechanization 73995* 92974*
metabolism 4197 4237 55062 12274* 12285* 12305* 28643* 28656* 37341* 55044* 55050* 55060* 55109* 72993* 73017* 81309* 91829* 91901*
mortality 54991 55076*
parasites 4262 63621* 72979*

Item

Swine--Cont
parturition 4282 4293 5852 5858 12192 28562 46300 72907 81288 81297 93012 4239* 4256* 12240* 30043* 37362* 45247* 55120* 65001* 72981* 73029* 91906*
pedigrees 28551
pests 4508 4542 55279*
poisoning 4202 4224 4261 4271 20510 28635 37343 46219 63080 63675 91859 12240* 20474* 28634* 28661* 37390* 46225* 63614* 73032*
Poland 93784*
pregnancy 4282 12276 28610 28622 37368 46184 46258 46275 55147 73004 73055 79905 12240* 20473* 28617* 28688* 37396* 46264* 55057* 81211* 81309* 81327*
diagnosis 73006 28692*
prices 22626 31306 39981 39982 40594 66021
Australia 57287
Germany 48650*
Great Britain 6983
Indiana 93863
Louisiana 31302
Minnesota 66707
Poland 66053*
production regions 66033
purchasing 39944 72974 75423*
records and testing 28723 46177 63569 79641 91780 91781 91774*
Australia 12313 28722
Czechoslovakia 81346* 91759*
Denmark 72917
Germany 81171* 81347* East Germany 20548* 91929* 94504*
Great Britain 4158 55065 73043 73045 81343
Hungary 28728
Ireland 4301 28727 63689
Missouri 46291
Netherlands 20534*
Northern Ireland 55147 63683
Poland 37424*
reviews 81152*
Rhodesia and Nyasaland 20546
Sweden 62988* 81341* 91939*
Switzerland 37421* 72073*
Tasmania 81154
reflexes 55153*
regulation and inspection 33142 84656 55095*
research
statistical methods 75495 75380*
respiration 37356
respiratory diseases 4257*
restraint 12288 5845* 55121* 91844*
sanitation 4306 37382* 63686* 81351*
selection 4187 4305 37307 63569 72921 81154 81170 91766 4184* 12189* 20437* 37296* 54999* 72902* 81153*
shelters 5837*

Item

Swine--Cont
shows 4305 46296 37426*
situation and outlook 6407 6877 6889 22564 22571 48598 75421 84597
Australia 14322
Corn Belt 75378
Europe 75495
Germany 57229* 57257* 84658* 84661*
Great Britain 31223 48594 48606 84557
Italy 22572* 39894*
Poland 66053*
Texas 31229
slaughtering 4179 46299 81350 4287* 28660* 28725* 37377* 37425* 46282* 46295* 55154* 66046* 66760* 66761* 81137* 81344* 91786*
Australia 63685
Germany 73042*
humane 54043 12308* 37349* 63687* 63696* 91931*
Hungary 63578* 73053*
Poland 73046*
statistics 57269
Switzerland 81193* 81195*
Yugoslavia 72910*
statistics 14434 31324 48733
Canada 31325
Corn Belt 57314
Germany 14438* 31322* 39950* 66095* 93888*
Poland 93890*
study and teaching 20545 81173*
surgery 12288 28666 36913 20515* 20520* 37363* 37376* 98172* 91890*
systems 20544 58019 63693 66758 73048 91876
confinement 4299 28720 73058
temperature 37356 4295* 73024*
trade
European Economic Community 32389*
Great Britain 81160*
Poland 81160*
Sweden 81160*
transportation 6933 6934 37371* 81330* 91920*
types 4179 20439 62273 66038 72936 4176* 4184* 20494* 20549* 28566* 55058* 55086* 72899*
bacon 4220 12212 28555 40649 63597 63602 66043 81185 91832 91925 20466* 37303* 37324* 46167* 46205* 46209* 46214* 54993* 55041* 81165* 91815* 91822*
Australia 91930
Bulgaria 55007*
Denmark 12307* 46261* 73051* 81230*
Great Britain 73045 91779
Northern Ireland 12312
Norway 63588* 63591* 63596* 63674* 81200*
Poland 72935* 75423* 81233* 91778* 91795* 91797*

Item

Swine--Cont
types--cont
bacon--cont
Sweden 63586* 81173* 81341*
USSR 12222* 81216*
Yugoslavia 28620* 72948*
Germany 37311*
Great Britain 40649
Hungary 12177* 28721* 72906* 72912*
India 20432
Italy 20437* 75375*
lard 4195*
meat 73056 73057 20444* 20447* 28602* 28627* 37299* 37420* 37430* 46166* 46174* 46209* 46290* 55007* 55036* 57260* 72904*
USSR 4189*
Yugoslavia 81274*
USSR 91772*
vices 12238*
virus diseases 28637 46222 81320 12236* 12257* 12258* 28708*
watering 4219 28593 13164*
weight and measurement 12225 12252 12309 28564 39956 46178 54991 63645 73004 91779 91881 4233* 12190* 12236* 12253* 20494* 37320* 54989* 55119* 63674* 66770* 72965* 76244* 81202* 81285* 91769*
wild 28407*
SEE ALSO Baby pigs; Boars; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Swine dysentery 12291 28690* 55097*
Swine erysipelas 20503 63653 28662* 37353* 55122* 81263*
Australia 4250
causes 55091*
control 28718 20495* 46232*
diagnosis 28668* 37381*
ducks 12008*
Germany
East Germany 73007*
hamsters 91286*
immunization 12289 81336 20519* 20529* 55107* 63665* 81335* 81338* 91857* 91874* 91912*
mice 36958*
prevention 37394
resistance 12289 63622 46286* 63680* 81335* 91908*
Tasmania 81291
transmission 22611* 36278*
treatment 12297* 73037*
turkeys 20245
vaccines 4290 12289 20495* 20517* 27898* 55107* 55128* 55135* 63616* 63634* 63671* 72418* 91318* 91319* 91857*
Swine fever SEE African swine fever; Hog cholera
Swine influenza 20523 55089 55090 4257* 46218* 46247*
Swine pest SEE Hog cholera
Swine pox 63643 63627*

*Text of this reference is not in English.

Item

Swine's milk 63575*
analysis and composition 63663 81345 12209* 20474* 20497* 63680*
hydrogen-ion concentration 37403* 73018*
synthetic 20472 20478* 37329* 55046*
Switchgrass SEE Panicum virgatum
Switzerland Eidgenossische Agrikulturchemische Versuchsanstalt Liebefeld-Bern 76692*
Switzerland Eidgenössische Kommission für Schnee- und Lawinenforschung 26942*
Switzerland Eidgenössische Volkswirtschaftsdept 19825*
Switzerland Eidgenössisches Institut für Schnee- und Lawinenforschung 26942* 26948* 90265*
Swollen shoot cacao 8595 50473
Sybra 46816* 46817* 92347*
Sybrepilysta n g 46816*
Sycamore SEE Platanus
Sycorax 64443
Sydney (Australia) Central Fruit Market 14075
Sydney (Australia) University 15235
Sylepta derogata 73231
Sylepta elevata 92136*
Syleter 82247
Syllegomydas 46915*
Syllitus 4997
Sylvinite 2341*
Symbiosis
bacteria 45653 74692
insects 5513 21377 21466 47143 29252* 29591* 38310* 47211*
and bacteria 38296*
and fungi 82231 21134* 92522*
and microorganisms 46905 38582* 46831* 56009*
and mites 4929
and rodents 38580*
plants 24527 34160 42927 59752 60203 68670
and bacteria 2131 16510 16641 18100 25218 43997 50921 51142 51293 52619 61228 77668 77716 42499* 42770* 44061* 51266* 60102* 61250* 61251* 68544* 68703* 68964* 70370* 87979*
and fungi 24505 50946 50953 51078 51348 51428 16655* 19011* 24855* 24857* 24993* 58780* 58781* 68544* 87139* 87333* 87554*
and insects 12962*
and microorganisms 24823 52591 60083* 60129* 60149* 60243* 61198*
Symmoca 64622
Symphoremaceae 86476
Symphoricarpos 42283*
Symphoromyia 82430
Symphoromyia hirta group 4564
Symphyla 4954 12600 29294 29319 21055* 46791*
Symphylella 4954 29319
Symphylurinus 82906*
Symphyta
anatomy and physiology 29614 29615 73772
as pests 12637* 20805*

Item

Symphyta--Cont
cocoons 21337
control 4369 64081*
diseases 21321
Japan 47109 47120 82651*
nomenclature 5278
parasites 12974 29590 73779 21329*
populations 64548
Scandinavia 92531*
Scotland 5333
USSR 92534*
Symphytum SEE Comfrey
Sympiesis 47072
Symploca 77003*
Symploce 82845*
Symposia on quantititive biology 41092
Symposium A modern dairy cattle feeding program 27669
Symposium Advances in management of southern pine 53282
Symposium and training course on infertility of farm livestock and artificial insemination 90507
Symposium and workshop on instrumental methods for the analysis of food additives 65098
Symposium Biological transmission of disease agents 55307
Symposium Changes which may be forced upon us by trends in college enrollment 47906
Symposium Effectiveness of backfill materials for tile drains 78807
Symposium Insect pathology 64265
Symposium Limiting factors in field crop production under Florida conditions 17006
Symposium Natural resources in Scotland 53117
Symposium of studies on the causes of low yield of rice in tropical and sub-tropical regions 69428
Symposium of the International Association of Veterinary Food Hygienists 83465
Symposium of the Society for Experimental Biology 41132
Symposium on agricultural machinery maintenance problems (International) 38735*
Symposium on animal genetics (Italy) 11451*
Symposium on animal sounds and communications 12739
Symposium on bacteria of the intestine 79919
Symposium on biological problems arising from the control of pests and diseases 32517
Symposium on biological structure and function 51063
Symposium on biometrical genetics 33758
Symposium on bulk handling of materials on the farm 21524
Symposium on capital and credit needs in a changing agriculture 57662
Symposium on care and use of laboratory animals 28164
Symposium on continuous culture of microorganisms 65338
Symposium on contributions of plant pest control programs 81434

Item

Symposium on dairy market development (National) 47971
Symposium on depredations control 7976
Symposium on disease environmental and management factors related to poultry health 28346
Symposium on domestication and early history of domestic animals 54059*
Symposium on ecology and management of wild grazing animals in temperate zones 8007
Symposium on fastenings for wood in house construction 79468
Symposium on flavor chemistry 47724 47748
Symposium on food and drug law 74492
Symposium on foreign substances in foods 30258 83484*
Symposium on free radicals in biological systems 88240
Symposium on fungi and fungus diseases 33013
Symposium on germ plasm resources 16409
Symposium on golf course irrigation 78903
Symposium on growth (International) 67151
Symposium on higher education in agriculture 7799
Symposium on immunochemical approaches to problems in microbiology 94865
Symposium on land tenure in the Pacific 85720
Symposium on light and life 87791
Symposium on livestock in the technological age 57236
Symposium on magnesium and agriculture 94875
Symposium on Melocactus ruestii 58721
Symposium on microbial reaction to environment 67164
Symposium on micronutrients 61404
Symposium on mutation and plant breeding 42435
Symposium on nematology (International) 50558*
Symposium on Newcastle disease 37035*
Symposium on nitrofurans in agriculture 11180
Symposium on nutritional absorption in plants 87923*
Symposium on ontogeny of insects 29237
Symposium on orientation and migration 4862
Symposium on overnutrition 32456
Symposium on pasteurelloses in farm animals 71819*
Symposium on plant operations 14498
Symposium on plant science 87885
Symposium on plant-water relationships in arid and semi-arid conditions 60228
Symposium on potassium 19412
Symposium on poultry diseases 37053
Symposium on pre-emergence crabgrass control 78229
Symposium on present problems in foot-and-mouth disease and in hog cholera research 11355*

Item

Symposium on problems of nutrition education in the country 15451*
Symposium on protein structure and function 30143
Symposium on putting greens 61427
Symposium on recovery of cells from injury 24662
Symposium on research for agriculture 8084
Symposium on research progress on insect resistance 4420
Symposium on secondary substances in plant physiology 42864
Symposium on shear and torsion testing 90459
Symposium on soil compaction 61103
Symposium on soil testing 18043
Symposium on spores 67149
Symposium on synthesis of molecular and cellular structure 58379
Symposium on the aging of rubber 40134*
Symposium on the biochemistry and physiology of auxin action 60359
Symposium on the evaluation of existing data and perspective planning in Central European fauna research 64266
Symposium on the microbiological condition of raw materials and food additives in relation to public health 47666* 56359*
Symposium on the newer knowledge about dogs 36833
Symposium on the physiological basis of systematics 29272
Symposium on the problems of mapping of the plant cover of Czechoslovakia 76877*
Symposium on the response of insects to induced light 46770
Symposium on the technic and economy of transportation methods (International) 73950*
Symposium on tricky rock plants and their cultivation 69886
Symposium on turf-grass diseases 67926
Symposium on virus diseases of fruit trees (European) 87019*
Symposium on winter greens 17474
Symposium Peatland forestry 79220
Symposium po Agrarnoi Istorii Vostochnoi Evropy 67242*
Symposium Protein methodology 47667
Symposium Recent advances in reproductive efficiency 36460
Symposium Rice breeding and supplementary crop in rice rotation 77900
Symposium Salinity problems in the arid zones 18555
Symposium Salmonella 83355
Symposium Selecting a career in the dairy industry 13710
Symposium Systematics of entomophagous insects and biological control 4900*
Symposium The data of classification 82852
Symposium The team approach to solving problems 65378

*Text of this reference is not in English.

Item

Symposium Tropical horticulture 78028
Symposium Tuberculosis in animals 90695
Synaema 82201
Synagapetus 64731
Synageles venator 4913
Synanthedon myopaeformis 37700*
Synanthedon pictipes 4674 55508 81793
Syncarpia glomulifera 27147
Synchytrium endobioticum 41772 41834 33302*
potatoes 8498 41757* 50268* 50375* 86837* 86965*
Syncordulia 29798
Syndemis musculana 4717
Syndicat Général de l'Industrie Cotonnière Française 30870*
Syndicat National des Coopératives Agricoles Exportatrices 94720*
Syneches 38223
Synechococcus lividus 51022
Synergism SEE UNDER Growth substances; Insecticides; and names of specific products
Syngamia abruptalis 4688
Syngamia floridalis group 29744
Syngamus trachea 11937*
Syngonium 60830
Synhamitermes 21503
Synhamitermes quadriceps 21503
Synhomelix 92351*
Synia melanaria rougeti 55573
Synixais 46817*
Synodinos-Konstas test 14490* 66127* 84824*
Synovex 27638
Synovial membranes 54355*
Synovitis SEE Arthritis; Infectious synovitis
Syntestrin SEE Stilbestrol
Synthomycetin SEE Chloramphenicol
Synthomycin 63527*
Syntocinon SEE Oxytocin
Syphacia obvelata 3807
Syphraea 82215*
Syria 47130*
Syringa 1122 12603* 60812* 67840*
Syringa robusta SEE Syringa wolfi
Syringa vulgaris 8725 50707*
Syringa wolfi 43536*
Syringes 79831* 90655*
Syringin 88213*
Syringophilus bipectinatus 4532*
Syrphidae 5174* 92434*
Belgium 82395*
Great Britain 5060 21194 55775
Morocco 64428*
Netherlands 92438* 92439*
Poland 64405*
Yugoslavia 46941*
Syrphus corollae 5174*
Syrrhopodon 8268
Systelloderes 21312*
Systelloderes biceps 82574
Systematic Botany News-Sheet 49981
Systoechus 82415
Systoechus fumipennis 82415
Systox SEE Demeton
Systropalpus n g 82382
Syzygites megalocarpus 67892*
Syzygium aromaticum 9931
Szczudlowski K 94912*
Szechenyi I 94556*
Szik soils 87148* 89502*

Item

Tabanidae
anatomy and physiology 38161* 38188* 82357*
and disease 63801*
reviews 55252
Afghanistan 46950*
Australia 38204
Canada 64439
China 38201*
collecting and preserving 46971
Congo 82396*
control 20649
Costa Rica 55786
Czechoslovakia 21175*
ecology 21172
evolution 21213
Far East 38221
Florida 73698
habits and behavior 21012 21163
larvae 82423
Minnesota 73697
Morocco 73686*
North America 55811 73698
Pacific area 37965 38241 64434
Palearctic Region 38222
parasites 46970
Portugal 73702*
Republic of South Africa 82411
Spain 73702*
taxonomy 64417 38198* 46948* 48949* 64427* 73685*
USSR 38237* 55813* 55819* 64453* 82372* 82412*
West Africa 55810* 82414*
Yugoslavia 29425* 46942*
Tabanus 38221 64434 38201*
Tabanus dorsifer 82423
Tabanus epistates 46970
Tabanus frontalis group 21213
Tabanus fuscus 82357*
Tabanus lineola 73697
Tabanus lineola group 73697
Tabanus moreli 82414*
Tabanus palauensis 38241
Tabanus pediontis 21213
Tabanus (Pseudobolbodimyia) n sgen 64434
Tabanus similis 73697
Tabanus striatus 38241
Tabanus syriacus 73685*
Tabebuia 9748 60816
Tabebuia pentaphylla 24451
Tabellaria flocculosa 634
Tabernaemontana fuchsiaefolia 89307*
Tachigalia 41375
Tachinidae
anatomy and physiology 12880*
as parasites 38226 46954 73714 82408 82436 92429 12864* 46944* 92425* 92451* 92457*
Great Britain 5162
habits and behavior 46955 92442*
hosts 82767
New Guinea 73666
North America 38227
nutrition 46936*
Palearctic Region 73687*
parasites 38411*
Rumania 92452*
taxonomy 82368 92478 38212*
Trinidad 5161
Tachininae 21211* 55801* 73687*
Tachinus flavolimbatus 73645
Tachyagetes 82602
Tachydrominae 92432

Item

Tachypodoiulus albipes 46803*
Tachys 46837 82247 38107*
Tachyspex 5270 55878 5270
Tachytes 82584
Tachytes pepticus group 73595*
Tachyura 67177*
Tacke B
Tadzhikskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva i Veterinarii 79915
Taenia saginata 72142 19872*
Taenia serialis 63502
Taeniaporus 82602
Taeniasis SEE Tapeworms
Taeniocampa incerta SEE Orthosia incerta
Taeniophyllum 58650*
Taeniothrips 92649*
Taeniothrips fedorovi 92652*
Taeniothrips laricivorus 37836* 73361*
Taeniothrips pini 29161*
Taenophthalmus (Protaenophthalmus) n sgen 64391*
Tagand R 49799*
Tagetes 50551 52224 59940 24690* 43550*
Tagetes erecta 8847 14502
Tagetes minuta 24463
Tagetes patula 8847 24242
Tagetes tenuifolia 8847
Tagore R 22457
Tahyna virus 46222
Taiga 10118* 50648*
Tail
cats 45735
cattle 3582 62773 72176
sheep 4164 63617 12114*
Taiwan Sugar Corporation 20461
Takahashiaspis n g 82562
Takakia lepidozioides 58748
Takata-Ara test 90975* 90976* 90977*
Takyr soils 78760* 89486* 89885* 92307*
Talfan disease 28700
Tall fescue SEE Festuca elatior arundinacea
Tall oil 36046*
analysis and composition 11056 11059 45083 71633 53673*
chemistry 2944
processing 75518
situation and outlook 19283
Tall oil rosin 90437
Tallium 29620*
Tallow 31233 80973* 91700*
analysis and composition 48642 54908 84600*
feed 11495 11900 45934 45936 55052 80151 91439
Tama 29288*
Tamarack SEE Larix laricina
Tamarindus indica 16688 37725 9601* 55762*
Tamarix 81888 76924*
Tamarix aphylla 86522
Tamarix pentandra 1021 59836 87156
Tanacetin 88236
Tanacetum 32724*
Tanacetum vulgare 88236 81996*
Tanganyika Agricultural Corporation 7550
Tanganyika Coffee Growers' Association 21978
Tanganyika Dept of Veterinary Serv 3199
Tanganyika Forest Dept 2571 26713
Tanganyika Lint and Seed Marketing Board 65657
Tanganyika Ministry of Agriculture and Co-operative Development 41136

Item

Tanganyika Ministry of Lands Surveys and Water 23307 32010
Water Development and Irrigation Div 61578
Tanganyika Tropical Pesticides Research Institute 86137
Tangelos 59125 64184 88870 88880
Tangerine juice 57113
Tangerines 39717 60124 60125 64020 73038
Tangors 88870
Tank trucks SEE Trucks, tank
Tanks 22089 39358 64904 56785* 93938*
plastic 74626
sanitation 13876 22101 30653 48051 65482 74138 22116* 39405* 48109* 56806* 65499*
Tanner H 8042*
Tannic acid SEE Tannins
Tanning 31315 39989 40004 40006 40024 48686 48691 48694 48709 48716 57290 57309 66087 75478 84734 84761 93867 93880 14411* 31318* 40014* 40021* 66085* 75472* 75475* 75484* 75489* 75491* 93866*
Brazil 48723*
chemistry 66067 48692*
Czechoslovakia 40009*
40010* 40020* 66076*
Europe 66087 75489*
France 75458* 84755*
Germany 14424* 48695*
48697* 48700* 57303* 66091*
Great Britain 39990 83581
materials 14412 14413 14658 20179 31319 40005 48685 48721 75463 75464 75467 84750 84762 14414* 14424* 31320* 40015* 45091* 57300* 75465* 84738* 84747* 84754*
Netherlands 48714
occupational diseases 32221
Republic of South Africa 84568
reviews 22629
Yugoslavia 48705*
Tannins
analysis and composition 71539
chemistry 36092 40005 53671 22584* 31320* 71536* 84719*
determination 31637
extraction 71539 45081*
in alcoholic beverages 56575* 74606*
in animal physiology 90968*
in plants 14658 36092 45092 45093 51496 53666 78259 2945* 11054* 25963* 26004* 51541* 60326* 75801* 75803* 75809* 77791* 88214*
in tea 6162
in soils 70330
in veterinary medicine 45957
in wood 62075
Tanycoryphus 47067
Tanymecini 21121
Tanymecus dilaticollis 92113*
Tanypus 73661
Tanytarsus 12874 21198 46923
Tanytarsus flavidulus 82139

*Text of this reference is not in English.

Item

Tanytarsus norvegicus 38220*
Tanytrichophorus n g 92557*
Tapazole SEE Methimazole
Tape recorders 71072
Tapeworms 19428 27322* 37380*
  cats 80564
  cattle 54449 72142
  dogs 11755 19999 28051 80546 91248
  ducks 11971* 28274* 46035* 72602* 80857*
  foxes 63110*
  geese 28274*
  goats 63502 63523*
  horses 28107*
  poultry 11944 11945 46003 80877 28266* 28310* 91541*
  rabbits 28399*
  ruminants 19577
  sheep 20356 28477 37209
    control 12121* 63523* 72824* 80191* 81131*
    prevention 72885*
    transmission 37282* 92022*
    treatment 72883 28510* 63500* 81130* 91724*
  swine 54449 72976
  transmission 4965 46413* 53827*
  turkeys 20254 72662
Taphoxenus 38106*
Taphrina deformans 9158 24234 33194 77145 8428* 8429* 41824* 50298* 60697* 67847* 86801*
Tapinoma nigerrimum 12981
Tapioca SEE Cassava
Tapioszele Orszagos Agrobotanikai Intezet 86323*
TAPPI SEE Technical Association of the Pulp and Paper Industry
Tar 5663* 62169*
Tar oil 19162* 27089* 46562* 62101* 62170*
Taractan 63073*
Taraxacum 24022 24023* 32859* 76930*
Taraxacum kok-saghyz SEE Kok-saghyz
Taraxacum officinale 61025 70114*
Tardigrada 73558 55650* 55653* 82174*
Tardomyocel 19866*
Tardy L 23769* 67189*
Tariff 7848 23598 32414 40963 41033 58291 67069 94760
  Australia 90291
  China 49603
  Denmark 76568*
  Europe 85977
  European Economic Community 67099 76538 76579 79422*
  Germany 23630* 58279* 58280* 76563*
  India 23600
  Mauritius 7887
  policies and programs 49601
  Sweden 58290*
Tarnished plant bug SEE Lygus lineolaris
Tarphius 82254*
Tarragon SEE Artemisia dracunculus
Tarrietia utilis 44729* 71598*
Tarsonemidae 29310 92321
Tarsonemoides 29310
Tarsonemus pallidus SEE Steneotarsonemus pallidus
Tarsonemus randsi 38008

Item

Tartar SEE Potassium tartrates
Tartaric acid 1249 56587* 60308*
Tartarogryllus 47208*
Tartessus 64499
Tashkent Nauchno-Issledovatel'skii Institut po Khlopkovodstvu
  Otdel Risa i Drugikh Oroshaemykh Zernovykh Kul'tur 88455*
Tasmania Dept of Agriculture Animal Reproduction Div 53756 80090
Tasmania Forestry Commission 18705
Tasmanian Sow Recording Scheme 81154
Tassi L 86203*
Tatranski Narodny Park 86344*
Tatter leaf
  citrus 59197
Taungya SEE Shifting cultivation
Tauritermes 21493
Taxation 66825 66961 85258
  California 40787*
  capital gains 66436 75909 94196
  conferences and congresses 85262
  income 2582 23065 31741 66435 85698 94202 94366
    Canada 23059
    Connecticut 49059
    Denmark 14741 85260*
    Germany 94607*
    Italy 57725*
    North Central States 23061
    Norway 14739* 31750* 57727*
    Sweden 14741 40358* 49053* 49056* 94195*
    USSR 47769* 66440*
  India 40361
  Indiana 94200
  inheritance 7409 40364* 57726* 85257*
  Italy 7406* 14740* 40360* 40363* 49057* 57724* 85259* 85261* 94197*
  Latin America 85684*
  Maryland 31744 85264
  Nebraska 94186
  Poland 31927*
  sales 19578 23058 31747*
  single tax 66441
  SEE ALSO Assessment; and UNDER specific subjects
Taxifolin 9301
Taxithelium 8268
Taxodiaceae 50702*
Taxodium 79311
Taxodium distichum 8656 33708 59297* 61842* 61908*
Taxomyia taxi 4757
Taxonomy 21027 37989 37994 46757 49756 82081 46746*
  conferences and congresses 29272 82852
  statistical methods 4898 55903
  reviews 55629
  SEE ALSO UNDER specific subjects
Taxus
  anatomy and physiology 1256 42575*
  genetics 71197*
  pest control 4712*

Item

Taxus--Cont
  Poland 33536* 35654*
  propagation 1828
  weed control 52223
Taxus baccata 43542*
  anatomy and physiology 68533* 77482*
  pests 4757 46868*
  propagation 1766*
  wood 45144*
Taxus communis 61824*
Taylor G C 86183
Taylor T 67231
Tbilisica n g 46994*
TCA 43729 59838 27362* 43846*
TCBC 89277*
TCP SEE Tricresyl phosphate
TDE 20610 28809 55412 55428 66125 81444
Tea
  advertising 6107 6115 39120 56574
  analysis and composition 6162 30437 47840 74574 93207 39138* 65352*
  anatomy and physiology 24797 25157 25158 25159 25160 25161 29108 33935 33998 37732 59956 77749 87298 1111* 33955* 33995* 34071* 42657* 42658* 42765* 50917* 50918* 68537* 88019*
    bibliographies 1011
  associations 21952
  bibliographies 13651*
  biochemistry 34254 69243 16960* 34256* 88253*
  breeding 17862 61035 70160 1985* 87383* 89426*
  care and handling 74576*
  Ceylon 25998
  chemistry 39134 39211 56570 65319
    reviews 56561
  conferences and congresses 35086 35087
  consumer preferences 30343
  consumption 30343 39155 39192 65286 83709
  contamination 83639 47871*
  culture
    Bulgaria 89436*
    Ceylon 2000
    China 17838*
    Congo 43861*
    East Africa 61020
    India 17854
    Japan 364*
    Uganda 52357
    USSR 25969 89415 35063* 35221*
  diseases 360 33112 41717 77058 58896*
  drying 39167
  East Africa 25999
  enzymes 39215 50917*
  fertilizers 24797 61328*
    Ceylon 26002 26274 26348 26349 52868
    India 78594
    Indonesia 26346*
    USSR 2313* 10206* 70612*
  flavor and odor 6119 6139* 74576*
  fungus diseases 8317
    Ceylon 399 24297 67945
    control 448 41870

Item

Tea--Cont
  fungus diseases--cont
    India 24325 24326 32938 33231 33297
  genetics 42404* 87383*
  hardiness 89426*
  harvesting 74608
    India 70126
    Indonesia 61032*
    Japan 1981*
    USSR 5759* 89414*
  history 30392 83673 65305* 89413*
  India 6124 26000 35072
  industry 93251
    Africa 39183
    Ceylon 47636
    China 47842*
    India 6134 13623 21944
    Mozambique 65342*
    Tanganyika 6106
    USSR 74587*
  injuries 364* 33071*
  irrigation 10427 42765* 44393*
  judging 30355 74636 6139*
  labor 23098
  manufacture 39213–39215 56570 65346 74608 39162* 39217*
  marketing 13613 13646 39169 56574 65294 83703
  morphology 59524*
  nematodes 24466 59208 77280 77295
  packing 6107 39146
  pest control
    Ceylon 55480 73275
    India 33112 41717 73278 73304
    USSR 77058
  pests
    Ceylon 55567
    India 37694 37731
    Indonesia 37732 63955*
    Japan 13039
    Mozambique 58896*
  planting 25970 61020
  policies and programs 6114 39120 47838
  processing 39212 65319 47853* 56564* 89414*
    reviews 56561
  propagation 25160 25161 35089 52349
  properties 74632*
  pruning 1995 25157 25970 25979 52345
  quality 39211 39212 2313* 34071* 39142* 61328*
  seeds 2003 70138*
  shading 1987 2000 24797 25159 26002 35067 55567 43861*
  situation and outlook 6108 6109 13649 14767 21957 30346
  soilless culture 1111*
  soils 52580 42658*
    Ceylon 25864
    East Africa 78387
    Japan 59956 34071* 35237* 35339* 44093* 44207*
    USSR 2316* 35102* 35221* 35228* 35229* 35236* 35250* 35252* 35254* 35258* 35260*
  soluble 39167 65293
  spraying and dusting 399 448 24326 41870 56220
  statistics 21951 39156 83648 83706 93251

*Text of this reference is not in English.

Item

Tea--Cont
storage 39142*
surpluses 47876
trade 15362 23600 30353 39120 49580 56574
transportation 21940 47854
types 39213 39214
varieties 1975 43863* 89426*
virus diseases 42011
vitamins 74632*
weed control 25951 35053 60937
yields 61328*
Ceylon 26274
India 24325 52345
Japan 34071*
USSR 2313* 68537* 70612*
Tea cider 56560
Tea oil 14490* 31357*
Tea Research Institute of Ceylon 25998
Tea Research Institute of East Africa 25999 35086
Teachers 23514 81921
Teaching machines 35860
Teats
buffaloes 19901
cattle 19811 72113 80208 11688* 19942* 45562* 62856* 62947* 72114*
anatomy and physiology 27745*
bacteria 45644
diseases 27879*
goats 19901
swine 12175 73012*
Technical Alfalfa Conference 53803
Technical Assistance Centers (Italy) 7757*
Technical assistance programs 14929 23227 23556 23614 31885 32299 48815 55157 85448 86238 76010* 85403* 85827* 85855*
Africa 85423 76053*
Angola 76036*
Brazil 23136*
Congo 49476
developing areas 44480 14925* 49164* 49193* 49204* 64777* 75994* 85887* 85930*
Ecuador 23206*
French Overseas Territories 94181*
India 31888 40470 49156 56593
Iran 40451
Italy 31877* 76465*
Latin America 39152 66537 7500*
Mozambique 94281*
Paraguay 31868
study and teaching 31852
Sudan 40445 40444*
Switzerland 53118*
Tropics 2556* 85864*
United Arab Republic 23217
Technical Association of the Pulp and Paper Industry 45073
Technical Conference on Wool Fabric Finishing 30873
Technical Meeting on Cooperatives 94733
Technicians 40872 56464 65533 74652
Belgium 74855*
Burma 49460
education and training 40798 40825 40840 40854

Item

Technicians--Cont
France 57219* 94700*
Germany 75918* 94254*
USSR 94691*
SEE ALSO Veterinary technicians
Technomyrmex 29583
Tecmar n g 82517
Tecnesites SEE Ctenistes (Tecnesites)
Tecoma 34822*
Tecoma radicans SEE Campsis radicans
Tectona
breeding 61912
conferences and congresses 35731
culture 10698 18843 53304 61749 61846
pests 55730
seeds 10796
selection cutting 10664
Tectona grandis
anatomy and physiology 51237
culture 44720
pest control 4764
propagation 2723 10740
Trinidad 71322
wood 3006 19348 20910 27062 29137
TEEM SEE Trans-European Express Merchandise
Teeth
cats 19993
cattle 62930 62943 80233 54289* 80431*
diseases 79848
dogs 3645 19993 36797 63051 72358 80551 91178 91223 20026* 36826*
hamsters 45856
mice 45856
sheep 37227 54947 81024 81041* 91702*
swine 81337*
Teff 31133
Tegenaria 4953
Tego 51 91538*
Tegostoma 47130*
Teichoic acid 69225*
Teijsmanniodendron 58595
Teinocoptes 46784 38024*
Teinocoptes asiaticus 38025*
Teinocoptidae 38024*
Teinorhachis n g 4936
Teinotrachelus 5270
Teladorsagia davtiani 79756
Telagrion ribeiroi 82907*
Telamona unicolor 38288
Telamona westcotti 46993
Telangiectasis 3456*
Teldenia 29742
Telekia SEE Buphthalmum
Telemark Landbruksselskap 23761*
Telenomus 55573 82696
Telenomus cirphivorus 37479*
Telenomus emersoni 82423
Teleogryllus n g 47208*
Teleonemia lantanae SEE Teleonemia scrupulosa
Teleonemia scrupulosa 4383
Telephones 30102 47614 47615
credit 31728 49040
education and information 7928
in forest fire control 10813 10849 90272
lines 81443*
Tennessee 65042
Teletype 14364 84654 93837
Television 6677 15291 32227 38867 7766* 15292* 32233* 62448*

Item

Tellurite 65407
Telmatoscopus 29481 64443 64444
Telomyxa glugeiformis 29787*
Telone 77276
Telopea speciosissima 1799
Teloschistes chrysophthalmus 59258*
Telvar W 10683
TEM SEE Tretamine
Temnogametum 32905*
Temnolamia n g 46817*
Temnophthalmus royi 82211*
Temnorhinus mendicus 5077* 92425*
Temperature
effects on Acanthocereus horridus 24865*
effects on algae 634 42578 59882*
effects on Alternaria tomato 8859
effects on animals reviews 37972*
effects on aphids 12927 55848 82504 55866*
effects on Apis mellifera 73439 73442
effects on apples 22432 33099 16729* 25060*
effects on apricots 51002*
effects on arachnids 64294*
effects on Aster savatieri 77570*
effects on Astragalus sinicus 42861*
effects on avocados 42805
effects on bacteria 31250* 47771* 48637* 54674*
effects on bananas 88869
effects on beans 16662* 77638*
effects on beef 57272
effects on Begonia gracilis 25138*
effects on Betula 26930
effects on blueberries 16625
effects on Bombyx mori 82047 20979* 29222* 46719* 82033* 82060*
effects on Bromus 1172
effects on buffaloes 19890 54494
effects on bulbs 16643*
effects on cabbage 77571
effects on cacao 42501*
effects on Camellia 25737
effects on Carex 42826*
effects on carrots 57062* 87499*
effects on cattle 45682 54177 54339 62927 45713* 71896* 90835*
effects on Ceratocystis fagacearum 50997
effects on chick embryos 46063 72737*
effects on Chlamydomonas chlamydogama 1275
effects on Chlorella 16724 51062
effects on Chrysanthemum 69012* 87770*
effects on Citrus ichangensis 69103*
effects on Cochlearia anglica 8882*
effects on cockroaches 5572
effects on Coleoptera 5018 29330 38127 63949 64254 73597 82270 82321 82322 21136* 55753*
effects on Collembola 5595
effects on Coniferae 79311

Item

Temperature--Cont
effects on corn 1163 1172 1055* 59792* 60174* 68704* 68829* 69126* 87573* 87641*
effects on cotton 42529 68869 42795* 59893* 68680*
effects on cream 47948
effects on cucumbers 68709
effects on Dactylis 42826* 59790*
effects on dairy products 56768*
effects on dates 9088
effects on desert plants 87621*
effects on Diptera 5115 21178 21181 21195 29413 29428 38192 38197 38225 55780 55807 64441 82380 82416 82453 64039* 92472*
effects on eggs 7149 75647 93962
effects on Elymus junceus 51374
effects on Enteromorpha compressa 34046*
effects on Eucalyptus 1231
effects on fats and oils 7027 75554*
effects on Festuca 16750 25141 42809
effects on fibers 39577* 75044*
effects on field crops 60375
effects on flax 16867 87960*
effects on fleas 73887
effects on Fomes annosus 60071*
effects on food 30281 30279* 93096*
effects on food containers 39009
effects on forage plants 59884*
effects on forest fires 10817 19044*
effects on fruit 22342 59807 51149*
effects on Fucus inflatus 34046*
effects on fungi 975 1081 16525 33959 67851 88207
effects on grain 6788 84442 57195*
effects on grapefruit 9214 34237
effects on grapes 24877* 87890*
effects on grasses 87944*
effects on gums and resins 83341
effects on Hedera canariensis 16610
effects on Hemiptera 82524 82638 12943* 21286* 29568* 47012*
effects on Hymenoptera 29586 38362 64565 38380* 64134*
effects on insect populations 20756*
effects on insecticides 4323 28772 37489 81419 46337*
effects on insects 4888 4889 21407 37948 12745* 46752*
effects on Jerusalem artichokes 8965* 16309* 59908*
effects on Juglans nigra 24812*

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Item

Temperature--Cont
effects on Kalanchoe blossfeldiana 42626*
effects on legumes 51186
effects on Lepidoptera 4623 5552 21405 21443 29676 47156 55984 64623 64624 73827 73833 81669 82726 82727 82787 5469* 13018* 21376* 37650* 37937* 47176* 64654* 73838* 81814* 82671* 92583* 92609*
effects on Lilium longiflorum 16721
effects on Lolium 16753 42226 59790*
effects on lupine 25098*
effects on milk 13757 13768 36555* 39366* 74744* 86078*
effects on millet 68736
effects on mites 4949 12769 21071 55693 82122 82187 46795*
effects on mosquitoes 5179 5190 5202 5204 73725 82480 38261*
effects on mushrooms 69933
effects on nematodes 33455
effects on Neurospora 50850
effects on oats 59360*
effects on Odontoglossum 68119
effects on olives 69712 9104*
effects on onions 87635*
effects on oranges 24932 34236
effects on Orthoptera 92643 13061* 29751*
effects on peaches 1136 42774
effects on peas 9211*
effects on Picea 18932*
effects on Pinus 19292 18932* 60153*
effects on plant disease 390 411 457 8410 8425 8426 8479 8525 8548 15991 24407 41900 42011 50509 67920 86790 24483* 41984* 46518* 58928* 68027* 77160* 86815* 86859* 86949*
effects on plants 1101 2131 9175 10189 16536 42921 58513 59298 60249 68095 68818 77536 87695 87769 10856* 59822* 86949* 88030*
reviews 77479*
effects on Poa 42809
effects on pollen 24952*
effects on Porphyra 34046*
effects on potatoes 1172 24413 33968 57068
effects on poultry 3885 3995 11869 11879 20160 20295 36975 45986 45987 63223 63248 63356 72708 72722 72723 91551 91590 37132*
effects on protozoa 62722
effects on Prunus amygdalus 25128*
effects on Pseudotsuga menziesii 42913*
effects on pulp and paper 53655*
effects on rabbits 12051 20317*

Item

Temperature--Cont
effects on radishes 34005 87723*
effects on red clover 87718 59481*
effects on redpeppers 42882
effects on Rhododendron 8382
effects on rhubarb 87785
effects on rice 25040 68728 68889 69144 8942* 33759*
effects on rubber 14567
effects on rye 68736 77687*
effects on seeds 1047 1212 1263 8952 25063 33927 33945 42550 42571 42788 42884 87680 24982* 26912* 42702* 50944* 59893* 61969* 68680* 68832* 88022*
effects on semen 62533 90852 12181* 54107* 71958* 81166* 81172* 91783*
effects on Setaria verticillata 25001*
effects on sheep 6927 12085 20364 28455 46096 63495 81134 28414*
effects on soils 9051 44046 61100 70372 70576 78281 78444 89476*
bibliographies 42538
effects on spiders 82176
effects on sorghum 1258 69063
effects on soybeans 9001 59875*
effects on Spermatophyta 16813*
effects on spinach 75236
effects on succulents 69025*
effects on sweetpotatoes 1119 25105*
effects on swine 37356 37367*
effects on termites 64064*
effects on Thysanoptera 82888
effects on tobacco 22925
effects on tomatoes 1086 42882 69941 87589 87941 8966* 16614* 69023* 77467*
effects on Tradescantia 68463
effects on trees 90117 24952* 69155*
effects on Trichoptera 47231*
effects on trifoliate oranges 69103*
effects on Trigonella foenum graecum 60163
effects on Tulipa 16569* 41705*
effects on vegetables 57022
effects on viruses 3892* 37641*
effects on wheat 8426 75292 87630 25091* 25174* 33917* 33972* 51192* 51194* 60085* 60086* 68856* 77687*
effects on white clover 24801
effects on wood 11104 53735 62075 79611 3008* 11127* 19162* 19350* 27089* 45163* 45166*
effects on wool 39575
effects on yeasts 42249 69059

Item

Temperature--Cont
effects on Zoysia 1308
measurement 50222* 68157*
SEE ALSO Cold; Heat; and UNDER specific subjects
1080 SEE Sodium fluoroacetate
Tenagogonus 38304
Tenancy SEE Farms and farming, tenancy; Land, tenure; Share farming
Tenancy Act of 1956 (India) 94551
Tenant-right valuation 15131 15136 49374
Tendipedidae SEE Chironomidae
Tendipes SEE Chironomus
Tendons 53951 90670 80653*
Tenebrio molitor 4740 82298
anatomy and phsiology 4974 82233 21020* 82234* 82301* 82784*
cytology 12751
Tenebrio obscurus 4740 21143
Tenebrionidae
Africa 38067* 46885* 73637* 82211*
anatomy and physiology 4983 5002 82298
Balearic Islands 73609*
California 29394
China 64346*
Cuba 46896 46897
cytology 5565*
genetics 21104
Great Britain 73174
Italy 29340*
Japan 29388
larvae 55731*
Nepal 64366*
North America 46900 82333
Pakistan 92372*
Portugal 29353* 82253*
Portuguese Guinea 38068*
pupae 82234*
Sahara 38138*
Somali Republic 21132*
Southeast Asia 55717
Spain 29353* 46822* 82253*
taxonomy 64383 82333 21098* 29371* 38082* 46855* 82211* 82288* 82328*
Turkey 46848*
West Africa 46885*
Tenebrionini 82333
Tenebroides mauritanicus 81840 82309
Tenellopsis n g 47130*
Tennessee Academy of Science 86138
Tennessee Agricultural Experiment Station 15894 17290
Tennessee State Horticultural Society 17292
Tennessee Valley Authority SEE U S Tennessee Valley Authority
Tenodera sinensis 82825
Tensiometers 10376 35111 35480 43908 44372 52397 52417 52434 52972 61044 61510 78273 78287 47343* 52916*
Tent caterpillars SEE Malacosoma
Tenthredinidae
anatomy and physiology 5280
Canada 64541*
control 12589*
Czechoslovakia 5277 92537
diseases 73788
ecology 38367 92457*

Item

Tenthredinidae--Cont
Finland 47099* 64551*
food and host plants 63952* 64574*
Great Britain 5305 12982
habits and behavior 38366*
Japan 47109
larvae 38367
parasites 47062
rearing and breeding 64676*
taxonomy 64536 47096* 47097* 47098* 47100*
USSR 64573* 92534*
Tenthredinoidea 21332
food and host plants 38361*
larvae 55889 29597*
Oriental Region 64554
USSR 92532* 92533*
Tenuipalpidae 21041
Tenuipalpus 21041
Teosinte SEE Euchlaena
Tepe test 43972*
Tephritidae
anatomy and physiology 5133 5134
Argentina 29414*
Australia 12543
Bolivia 38191*
Canada 46522
evolution 12861
Great Britain 73684
India 5176 46973
larvae 92446*
North America 73669
parasites 5143* 64021*
rearing and breeding 64411*
Tephritopyrgota 29417
Tephrocactus 86420*
Tephroniopsis n g 47130*
Tephrosia 41384 41317* 67401*
Tephrosia vogeli 42835
TEPP 37495*
Teramnus labialis 519
Teratology SEE SUBHEAD abnormalities UNDER specific subjects
Teratolpium n g 92317*
Terebrantia 29789
Terephthalic acid 3855 91412 91456
Terias hecabe 92606
Terminalia bellerica 3009 12660
Terminalia superba 21094
Terminalia tomentosa 12660
Termites
anatomy and physiology 21486 21504 73905 5608* 29799* 38591* 47239* 50618* 64064* 64720* 64725* 82866* 82872*
and fungi 38576 56024*
as pests 12639
India 46637 55387
Kenya 12658*
New Zealand 28962
Tropics 64082
bibliographies 64739
Brazil 5589
control 12620 20875 20910 37812 37823 37826 46642 55566 55583 55595 64113 73358 73377 81853 81886 92222 92223 92241 12623* 12641* 46640* 46641*
Australia 29157
Austria 37799*
Ceylon 29077
equipment 73388
Florida 12635
France 12643
India 12502 81905 92240
Japan 64111*
Louisiana 64070

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Item

Termites--Cont
control--cont
Mexico 82900
North Carolina 73403
Oregon 92233
policies and programs 37804
Republic of South Africa 12521
study and teaching 20923 37828
Uganda 81868
West Africa 73116
cytology 5591
habits and behavior 5609 5641 29810 38583 73905 81885 5601* 29786* 37825* 56018* 82856* 82916*
identification 5642 12639 81886
India 47253 73904
parasites 47249 29318* 38582* 47261*
predators 47230*
rearing and breeding 21489 29187
taxonomy 5627 21493 21503 73908 82883 82884 82902
Termitidae 21503 47253 73904 82903
Termolampa n g 38368*
Ternstroemia kwangtungensis 766
Terozoa 92559
Terpenes 1318 25206 31396 44845 45095 75567 77768 88235 19281* 19289* 19293* 66123*
SEE ALSO Diterpenes; Triterpenes
gamma-Terpinene SEE p-Mentha-1,4-diene
Terra Fusca soils 44719*
Terra Rossa soils 61124 61265
Terracing 2496 10379 18576 33906 53040 89908 26587*
India 89917
Japan 78947*
Nicaragua 70868*
Poland 52399
Rumania 53020 53043*
Southern States 78934
Taiwan 18569 78927
Texas 10462
USSR 2663* 18995* 26597* 44474* 52688* 61464*
Virginia 44471
Yugoslavia 26565*
Terraclor SEE Pentachloronitrobenzene
Terramycin SEE Oxytetracycline
Terrariums SEE Gardens and gardening, miniature
Tersilochus 63967 82613
Teschen disease 55070 12256* 12280* 55100*
Hungary 28708*
immunization 55082*
Malagasy Republic 12287*
virus 28700 37407 4264* 12249* 12251*
Tessaratoma javanica 82557
Tessedik S 67224*
Testacea 61190* 78411*
Testes
cattle 3453 36423 54113 90826 27217* 27716* 54108*
dogs 80537 91195 36816* 72316*
ducks 72641* 80787*
goats 27217*
guinea pigs 36925

Item

Testes--Cont
horses 80620*
insects 21292
minks 11804* 28071*
poultry 80897 72640*
rats 63200
sheep 37186 80983 27217* 81028*
diseases 63477 72876 12133*
swine 4246
Testosterone
effects on cattle 80228*
effects on mice 72449
effects on poultry 20275 72473 91356 91482 54744* 54745*
effects on sheep 20394 54952
effects on swine 12176
SEE ALSO 4-Chloroestosterone acetate; Methyl testosterone; Nortestosterone
Testosterone propionate 36722 54970 72436* 80690*
Testudinaria elephantipes 69845
Tetanocera 55787
Tetanops myopaeformis 4647 64422 81659 81671
Tetanus 79784
antitoxins 45330 80658 28100*
dogs 19995 54555*
horses 28121
immunization 80658 63164* 80626*
prevention 28100*
treatment 11826* 28102* 72424*
immunization 45330
sheep 91736
swine 4253* 55093*
vaccines 90569*
Tetany 11777*
Tethea octogesima 82748 5465*
Tethea ocularis SEE Tethea octogesima
Tethinidae 82437*
Tetonex 79761*
Tetra alkylammonium 18039
Tetra alkylammonium stearate 4088 27348
Tetra Pak 83868 6330* 13822 93380*
Tetrabrachys 64327 46833
Tetracampidae 47071*
Tetrachlorodifluoroethane 91695*
Tetrachloroethylene 27042*
Tetrachloromethane SEE Carbon tetrachloride
Tetrachloronitrobenzene 50308 57114*
Tetracondyla 29291
Tetracycline
determination 65997*
effects on animals 79745*
effects on cattle 19866*
effects on plants 34091
effects on poultry 3857 37085 79745*
therapeutic use
cattle 19791* 19906* 62914*
poultry 3948 3972
sheep 20402 37263
swine 4236*
Tetracycline hydrochloride 91462*
Tetradifon 46560 64001 46486* 55202* 64005*
Tetraedron 67561*
Tetragoneura 46959
Tetrahydrofuran 48794
Tetrahymena pyriformis 13914
Tetralonia 12977

Item

Tetrameres confusa 81609*
Tetramesa 5282
3,7,11,15-Tetramethylhexadecanoic acid 93325
Tetramethylthiuram disulfide SEE Thiram
Tetramorium 5270
Tetramorium caespitum 12483 5314*
Tetraneura ulmi 92526*
Tetranychidae
acaricide resistance 4434 63978 46331* 63794*
anatomy and physiology 21062 55693 55694 64307
Argentina 82189*
Australia 12539
Austria 46531* 63991*
control 46511 46560 46597* 46602* 63902*
biological 46545* 63986*
California 12439 73299
Germany
East Germany 12573*
India 73304
Sweden 63786*
United Arab Republic 81614
diseases 73578
Great Britain 73566
Hungary 64276*
hybridization 82151
Japan 21063
Oregon 92332
outbreaks 12445
taxonomy 82171*
Tetranychus 20789 55212 12575*
Tetranychus bimaculatus SEE Tetranychus telarius
Tetranychus cinnabarinus 81819
Tetranychus ludeni 63892
Tetranychus mcdanieli 46435
Tetranychus pacificus 46342
Tetranychus telarius
anatomy and physiology 4937 4938 12781 28801 46790 29066* 37495* 37728*
control 4715 12769 28750 29113 46435 56063 81361 81823 20772* 20883* 28970* 46592*
Germany 37684*
Rumania 37728* 63998*
Sweden 63786*
USSR 20697* 20773* 29055* 29092* 46486* 46512* 55394* 81697*
United Arab Republic 81614
eggs 28756* 29066*
Great Britain 12601 37639 46605
habits and behavior 64288
insecticide resistance 37465 81385 91949 20603* 28807* 37495* 73077*
nutrition 12786
outbreaks 46442* 46551*
populations 63902*
predators 28748*
Tetranychus telarius group 82151
Tetranychus urticae SEE Tetranychus telarius
Tetranychus viennensis 63786*
Tetraopes tetrophthalmus 12808
Tetraphis geniculata 68321*
Tetraphis pellucida 16594 68321*
Tetraploa 58553
Tetraploidy SEE Polyploidy
Tetrascapha 82271

Item

Tetrastichinae 38371
Tetrastigma sulcatum 24653
Tetrastylidium engleri 86493*
Tetrathemis 82897
Tetrathyridium variabile 91541*
Tetraulax 46817*
Tetrazolium blue 34249 34335
Tetrazolium compounds 77370* 87599*
in food analysis 6899* 13739* 31237* 65392*
in seed analysis 1207 16612 16824 77513 77626 77637 87826 26862* 26912* 35799* 42511* 75713*
Tetrigidae 21455 21462 38545 92639
Tetrix 92639
Tetrorchidium 32722
Tettigellidae 12948
Tettigellinae 92513*
Tettigoniellidae SEE Tettigellidae
Tettigoniidae 29765
anatomy and physiology 5582 21474*
Australia 12581
Canada 5569
Czechoslovakia 47219*
Germany 92644*
taxonomy 21457 21469 29769
Turkey 47212 56000 47221*
Yugoslavia 29757*
Tettigonioidea 5580* 29750*
Teucholabis 38157
Texas Agricultural and Mechanical College 32217
Extension Serv 49472
Texas Agricultural Aviation Conference 41711
Texas Agricultural Experiment Station
Big Spring Field Station 89572
history 67283
Substation No 1 (Beeville) 86270
Substation No 3 (Angleton) 15609
Substation No 7 (Spur) 49885
Substation No 23 (McGregor) 80014
Texas Citrus and Vegetable Growers and Shippers 39631
Texas Farm Electrification Committee 13409 21752
Texas Mosquito Control Association 81448
Texas Sheep and Goat Raisers' Association 20431
Texas Turfgrass Conference 34836 43555
Textiles
analysis and composition 39568*
bibliographies 39485
bleaching 6488 93494
conferences and congresses 65582
consumer preferences 30807 48253
creaseproofing 6460 6481 6499 6525 6530 6562 6577 6590 13942 13974 13975 13996 30812 30824 39460 39468 39469 39480 39513 39545 39565 48241 48242 56864 56873 56880 56896 56901 65604 65655 74963 83987 83989 83990 83999 84009 84012

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Item

Textiles--Cont
creaseproofing--cont
84032 84044 84062
84098 84113 84134
93487 13954* 39495*
39527* 39533* 39555*
39569* 39581* 48217*
48259* 74997* 75027*
84015* 93513*
bibliographies 6520
defects 13988
disinfecting 65633
flameproofing 6541 6577
56853 65665 65669
74966 75003 84084
30779* 65606*
flammability 30877*
industry 32378 22197*
48261* 84111*
insectproofing 46632
55530 73332
labeling 39530*
microorganisms 6571
93486
mold and mildewproofing
48249 84024 6538*
39537*
bibliographies 6521
oil repellency 56867
pests 64082 81849 46613*
46630*
processing 6563 30780
30817 30818 30847
30882 30884 30887
39547 74943 74961
75017 84027 84049
93490 13966* 39509*
39526* 39557* 39563*
74444* 75016*
conferences and congresses 30873 56891
84014
properties 39561*
rotproofing 6541 6570
6577 13973 48249
39484*
shrinkage 6479 13923
14010 22230 22231
74971 84009 84106
39483*
shrinkproofing 13940
13941 30777 30889
48205
situation and outlook 13957
30852
tests 6571 84007
trade 32378 32402 76581
waterproofing 6466
6541 30792 56867
74963 83987 83999
84017 84108 39537*
39570* 84015* 84048*
Textricinae 55680*
Teysmannia 8236
Thaianura n g 56047
Thalassiosira 222* 227*
87313*
Thalassiosira fluviatilis 68262
Thalictrum actaefolium 60338*
Thalictrum polycarpum 84773
Thalidomide 45797*
Thallium 11371 81449
Thallium sulfate 79379*
Thalycra 29365
Thamnolia 67640*
Thamnolia vermicularis 58800
Thamnomyces 67654
Thamnomycetoideae 253
Thamnophthorus 12843
12856
Thanatus striatus 64298*
Tharandt Institut für Forstökonomie 70960*
Thatuna 47039
Thaumetopoea pityocampa
29167* 73815*
Thaumetopoea processionea
37802*
Theaceae 766

Item

Theanine 69243
Thecamoebae SEE Testacea
Thecla 55950
Thecophora 5074
Theft SEE UNDER specific subjects
Theileria annulata 45549
37558*
Theileria mutans 11559
Theileria sergenti 37558*
Theileriasis 11559 72100
27868* 36577* 62907*
control 4541* 72256*
Kenya 27708
Papua and New Guinea
4520
treatment 45549 72213
36637* 45586* 62870*
62882* 63842*
USSR 63854*
Thelairosoma gracilis 46954
Thelazia rhodesi 90961*
Thelaziasis SEE Eyeworms
Thelepogon elegans 60300
Thelohania 46978 81525
Thelohania thomsoni 5118
Thelypteris SEE Dryopteris
Thematheca n g 38227
Themeda quadrivalvis 17737
Thenium p-chlorobenzene sulfonate 36780 63060
91187
Theobaldia SEE Culiseta
Theobroma cacao SEE Cacao
Theonoe 55655 64306 21043*
Thera 38490*
Thera cognata 29667
Theraphosidae 29303*
Theridiidae 82142 82164
82180 73541*
Theridium saxatile 29298*
Therioaphis maculata
anatomy and physiology
47028
as pests 4641
control 28950 28965
46473 55450
habits and behavior 82540
Therioaphis riehmi 29004
Therioplectes 46948* 46949*
Thermal springs 21233* 68106*
Thermobia domestica 29134
Thermocoagulation 79879*
Thermometers 16206 87164
86711* 86712*
Thermoniphas 47141
Thermostats 17939 84249
Therobates 82177
Theronia 38378
Therrya 294
Thersamonia dispar 55947*
Thersilochus melanogaster
37630*

Theses
bibliographies 2552 10520
49856 71881 82918
Thesium 16283 52234
41442*
Thesium lycaonicum 23973
Thevetia nereifolia 77073
69175*
Thiabendazole 4123 12120
19490 36254 37217
54911 80637 80660
90693 90692 63473*
Thiacetarsamide SEE Arsenamide
Thiambutene hydrochloride
72350

Thiamine
determination 31177
48518 65922 83353*
effects on plants 16001
9075* 60213*
in beans 15467*
in cat nutrition 80524*
in dog physiology 20030*
in eggs 63309*
in flour 48518

Item

Thiamine--Cont
in food 76625 76626
76634*
in grain 31177 65922
14229*
in human nutrition 23649
in meat 22638 48698
in milk 83909*
in plants 1032
in potatoes 49724
in poultry meat 75657
in poultry nutrition 36995
63257* 72513*
in poultry physiology 11975
in ruminant physiology
71859*
in rye 7961*
in soybeans 31420
in starches 30949*
in swine nutrition 55149
55150
in tea 74632*
in vegetables 48455
in wheat 22519 7961*
Thiazole 70294*
2-(4'-Thiazolyl)-benzimidazole SEE Thiabendazole
Thibenzole SEE Thiabendazole
Thickening agents 83543
83544
Thielavia 248 58769 58966
Thielavia sepedonium 24574
Thielaviopsis basicola 24281
24282 50284 67933
carrots 67821
Cyclamen 16053*
tobacco 41766* 86900*
88799*
Thielaviopsis paradoxa 67902
86906
Thienemann A 86156 15556*
49806* 86207* 86211*
Thimerosal 50518
Thimet SEE Phorate
Thinoseius 46783
2-Thiobarbituric acid 83369
Thiobarbituric acid test 22211
22252 30141 56814
84644
Thiocarbamates 478 39644
Thioctic acid 6838 65905
Thiocyanates 31186 45703
3377* 60048*
Thiocyanic acid 12233*
Thiocyanogen 86891*
Thiodan SEE Endosulfan
Thiogenal SEE Methitural
Thioglycolic acid SEE Mercapto acetic acid
Thiolcarbamates 17694
17812 52236
Thiolignin 2988* 19187*
45131*
Thiols 6789 77475
Thiomersal 28469*
Thiopental 28014 80828*
Thiophenicol 62406*
Thiophosphoric acid SEE Phosphorothioic acid
Thiosulfates 36076 88183
36075*
Thiosulfonic acids SEE Sulfonic acids
Thiotricha 21366
Thiouracil 24430 82062
effects on poultry 3967
3970 11885 91557
effects on sheep 81096
2-Thiouracil 545 68006
68007 68008
Thiourea 942 1198 6647
14570 16689 60048*
Thiram 431 12598 14570
24189 35788 469*
12519* 33155* 41937*
59000* 63972* 67904*
86796* 86931* 92063*
chemistry 50373*
residues 75106

Item

Thistle SEE Cirsium
Thladiantha 67452
Thlaspi 41326
Thlibothrips 56013
Thliptoceras octoguttalis 29703
Tholera cespitis 82747
Thomas phosphate SEE Basic slag
Thomas Wholesale Grocery and Kindred Trades Register
93027
Thomisidae 4912 4959
81968*
Thomisus 82201
Thomson H M 67188
Thorax 27405*
cattle 3597* 27783* 45843*
dogs 80576* 91257*
horses 45843*
insects 29752 38530
82541 5124* 37561*
64716*
Thorea ramosissima 42322
77348*
Thorictodes 21126*
Thorictus 21127*
Thorium 1195* 2070*
Þorlaksson S 23807*
Thorn test 80468*
Thoroughbred Breeders' Association 20067 36879
Thouin A 32655*
Thouinia 41317*
Thread-necked worms 4142
4147 54918 81055
54976* 81029*
3-P Clubs 32240*
Three-Year Plan (Hungary)
76285* 85470*
Threnodes 47130*
Threonine 37932*
Threshing 5747* 21611*
56202* 92889*
SEE ALSO Combines; and UNDER names of crops
Thrinax 64554
Thripidae 29789 82894
82905 13101* 92652*
Thrips (common name) SEE Thysanoptera
Thrips angusticeps 12469
Thrips nigropilosus 63892
Thrips tabaci 28985 29033
29034 55410 63892
82905 20761* 55444*
63917*
Thrombin (topical) 72403*
Thrombosis 80569
Throscidae 55717 46820*
82239*
Thuidium 8268 32899
Thuidium delicatulum 8275
Thuidium philiberti 8275
Thuidium recognitum 8275
Thuja 9792 77337 52022*
77782*
Thuja occidentalis 77736
Thuja orientalis 67324*
Thuja plicata
Canada 19006
fungus diseases 50383
86877
Germany 8200*
pulpwood 2923
wood 27049 79611
yields 18820
Thuja tetragona 23950*
Thujic acid 45082
Thujopsis 77782*
Thujopsis dolabrata 1345
67335
Thunberg C P 68 38428*
Thunbergia battiscombei 50092
Thung T H 49846
Thuya SEE Thuja
Thya maurus 5617
Thyatiridae 64691
Thylacosceles 21366
Thylate SEE Thiram

*Text of this reference is not in English.

Item

Thymaridinae n sfam 92542*
Thyme oil 57339*
Thymelaeaceae 120 52353
Thymelicus lineola 13044
29645 63943 64693
Thymidine 38165 77529
88195
Thymidine phosphates 42935
Thymus 1998 16263* 41460*
62864* 89071*
Thymus doerfleri 50093
Thymus gland 20215* 28326*
63282* 63283*
Thymus vulgaris 52342*
Thynnidae 47111
Thyrateles 12958
Thyretidae 92596*
Thyridanthrax fenestratus 5139
Thyrinteina 47189
Thyroid 45246* 90866*
cattle 3471 36634
36678 45537 45592
62794 62927 11682*
45663* 80351* 91083*
dogs 20002 36883 63040
80582 91202
ducks 28326*
goats 72820
laboratory animals 54669*
mice 72443*
minks 36865
poultry 3966 20173 45877
45987 46008 72652
72723 28326* 36968*
80859*
rabbits 12051 37149
80945*
rats 36930 54676 45861*
81218*
ruminants 3197
sheep 12125 28470
37173 46096 81089
20401*
swine 20507 55081
4258* 12305* 20506*
46249* 55086* 81218*
81274*
Thyroid stimulating hormone SEE Thyrotropin
Thyroidectomy 80995 80786*
Thyroidin 3416* 72082*
Thyroprotein 3967 11534
91202 72940*
Thyrotropin 54530 72438*
Thyroxine
effects on cattle 3542
effects on mice 72438*
72440*
effects on minks 36865
effects on poultry 12013
72652 80838 3956*
80794*
effects on rats 3803
36933 54673
effects on sheep 12090
effects on swine 55042*
in cattle physiology 36678
in poultry physiology 3576
3966 36972 72485
L-Thyroxine 3541 3576
90900
Thyrsostoma 21366
Thysananthus 24052
Thysanaspis 82562
Thysanella 58655
Thysanidae 12976*
Thysaniezia 46413* 92022*
Thysanieziasis SEE Tapeworms
Thysanoptera
abnormalities 92671*
Africa 92654
anatomy and physiology
5598 21470 38574
64715*
and plant disease 4356
29033 29034 82905
55452* 63917* 73361*
81653* 92092*

Item

Thysanoptera--Cont
and plant disease--cont
reviews 55223
as pollinators 81371
Asia 38581 13101*
Australian Region 82913
Ceylon 5647
control 28985 46440*
81702*
Honduras 29089
Netherlands 55400
USSR 55452*
United Arab Republic 20799
cytology 5639*
Europe 13101*
food and host plants 82886
5628* 92666*
France 38559* 92649*
Germany 29161* 82890*
92665* 92672*
Great Britain 13079
Guam 5647
habits and behavior 5623
64529 82888 82889
47257*
India 5588 47227 56013
Italy 5628*
Kenya 63892
larvae 13092*
Malagasy Republic 29814*
Netherlands 5602*
New Zealand 28962
Poland 21509 21510
38589
populations 47257*
Republic of South Africa 29789 41748
research
statistical methods 82891
taxonomy 5637 29789
47229 56013 82894
92654
Turkey 55161
USSR 5625 13076* 20777*
63875* 64723* 73896*
73916* 92669*
West Africa 82860*
Thysanosoma actinioides 37209
Thysanotus 76927 76957
Thysanura
anatomy and physiology
13102* 73888*
collections 29804*
France 29784*
nomenclature 13100
populations 29813*
Republic of South Africa 29816
Thysanus ater 12976*
Tiafur 80834
Tiarophorus 64363*
TIBA SEE 2,3,5-Triiodobenzoic acid
Tibicen haematodes 73401*
92250*
Tibouchina 50017*
Tibouchinopsis 50017*
Tichocoelidia n g 55860
Tick fever 11559 37604
27770* 62865* 62891*
control 49810
transmission 28934
Tick paralysis 55260
63843*
Ticks
Africa 21034
age 12759*
anatomy and physiology
21072 21079 82170
82198 28838* 29323*
38050* 55340* 64323*
73574* 82172*
and disease 20650 20653
28820 28902 37514
37519 37576 37604
55298 81450 81545
92034 92038 4541*

Item

Ticks--Cont
and disease--cont
12427* 12428* 20627*
20643* 28818* 28848*
28853* 37516* 37558*
55325* 63808* 63821*
63824* 63841* 63848*
63873* 73132* 73171*
81536* 91999* 92002*
Africa 37612
Australia 28862 55260
63850
Austria 73158*
California 73181
Canada 28882
Congo 27770*
East Africa 63818
France 28852*
Kenya 92015
Latvia 12399* 37613*
Papua and New Guinea 4520
reviews 55355
Rwanda-Burundi 27770*
Sardinia 3104*
USSR 20607* 37517*
37572* 55254* 55275*
55292* 55312* 55328*
55354* 63802* 63807*
63820* 63830* 63832*
63842* 63846* 63854*
63859* 63867* 73154*
81489* 92006* 92011*
92049*
Yugoslavia 73168
and microorganisms 12788
55710
Arkansas 73179
Australia 55262
bats 12430 82198
birds 4502 4573
4927 37514 37591
55312 81535 4457*
12766* 63851* 81508*
92011*
breeding places 73181
55275* 55318* 63845*
73154*
cattle 4496 11559
12421 20613 37604
38062 73133 81565
92009 92041 4541*
37558* 63859*
control 37527 28906*
55292* 63842* 63848*
92049*
Chile 4926
China 38042*
collecting and preserving
73179 37517* 64285*
control 12431 81533
20630* 37568*
California 12612
Ceylon 92038
USSR 12416* 28886*
37562* 55328* 63820*
73167*
Yugoslavia 73168
cytology 46802 82147
86098 92320 38027*
55677* 73559* 82148*
Czechoslovakia 37523*
deer 92027
development 28886* 55254*
64296* 73544*
diapause 64323*
digestion 55652*
diseases 92034 63802*
63851*
dogs 12385 46398 46405
Eastern States 29289
ecology 81352
Italy 92048*
USSR 64304* 64319*
82172*
Finland 46800
foxes 81541*
geographic distribution
46800 55262 63831*
64319*

Item

Ticks--Cont
geographic distribution--cont
Canada 21052
Poland 29306
USSR 28886* 64285*
92011*
Georgia 92027
goats 73560 92042*
Great Britain 73555
habits and behavior 92041
55340* 82172*
Hawaii 4928
Himalayas 73561
hosts 73179 73555
identification 81495
Indiana 37609
insecticide resistance 20579 20609
kangaroos 55262
larvae 29289 38062
81489 29296* 55672*
livestock 12390 20650
55671 63869 81464
81532 12409* 12410*
20664* 63830* 73167*
92006* 92048*
longevity 4904
Malaya 92331
man 73561 63832*
mice 37590 46408 12399*
73580*
New Zealand 37532
nomenclature 4927
55709
nutrition 12759* 73574*
nymphs 81489 37558*
55672*
oviposition 4904
Panama 73562
parasites 12788 63807*
63808*
phylogeny 46785*
pigeons 4562
Poland 73563*
populations 38062 81352
63846*
poultry 12416* 20618*
55328*
rabbits 12389 20621
28905
rearing and breeding 4910
28855
Rhodesia and Nyasaland 46775
rodents 20661 73561
55340* 63841*
Sardinia 4958*
sheep 12421 73560
81561
shrews 92331 55340*
squirrels 73562
stratification 64290*
Tanganyika 38007*
taxonomy 4926 73560
82127 55677* 73557*
73559*
Turkey 12782*
turtles 81571
types 55709
USSR 55254* 55354*
64299* 64303* 64313*
64315* 64320* 73157*
73559* 92329*
wildlife 28863 28878
37601 63810 63869
37523* 92048*
Yugoslavia 38047*
Tieghemiomyces 242
Tiferonia n g 82247
Tigogenin 25240*
Tigriculus n g 38289*
Tilachlidium 271*
Tilia
analysis and composition 65352*
biochemistry 60367*
culture 44722 61847*
Poland 33488*

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Item

Tilia--Cont
soils 61844*
underplanting 44788*
varieties 34844
weed control 79238*
Tilia americana 2697 19256 42631 50929 59765
Tilia argentea SEE Tilia tomentosa
Tilia cordata 116 89096 16945*
anatomy and physiology 87300 60155*
culture 2698*
morphology 87300
seeds 19024*
soils 70200*
USSR 86463*
varieties 43562
Tilia europaea 50796 64107
Tilia heterophylla 35739
Tilia platyphyllos 116 33602 2698* 16945* 86480*
Tilia tomentosa 2698* 16945*
Tilia vulgaris SEE Tilia europaea
Tiliaphis n g 47047
Tiliroside 43025*
Till method 70452*
Tillage 2362 18935 26366 26375 35440 44305 51012 69936 70184 78761 17005* 35432* 51074* 52875* 61405* 70686* 77673* 78459*
Argentina 44304*
Australia 51811 61478
Belgium 61457*
Brazil 35444* 89798*
Bulgaria 34009*
California 26378 61469
Colombia 18393*
Connecticut 10320
Czechoslovakia 89794 44322* 52894* 83043* 89804* 89807*
reviews 70699*
effects on insect populations 55402* 81688*
effects on soils 2012 2473 53039 61418 78293 83054 83056 2128* 2129* 2156* 2211* 2361* 2367* 2370* 10675* 17893* 17900* 17915* 18400* 26379* 26380* 35117* 35391* 35431* 35447* 43927* 44044* 44299* 44320* 52479* 52624* 52881* 52882* 61474* 61623* 70676* 70695* 70698* 78313* 78314* 89447* 89809* 89920*
bibliographies 52389 52390
equipment 565 21589 21593 26366 29905 56118 56120 64832 13196* 29911* 35432* 83040*
Bulgaria 92765 83037* 89793*
Denmark 38666*
Germany 13190* 13194* 29908* 56130* 64834* 74032* 83044* 83048* 83052* 83053*
East Germany 13210* 47333* 74028* 83064*
Hawaii 47509
Hungary 13198* 47347* 74033* 74039*
Iceland 83050*
India 21594 21595
Italy 64826*

Item

Tillage--Cont
equipment--cont
Japan 26379* 64843* 74053* 83038* 83060* 83063* 92772*
mountain areas 38752 74048 83060*
Netherlands 47366* 64840*
New Zealand 13192
Norway 47352*
operation 21588 38667 29903* 29909* 47338* 47361* 47363* 56122* 56123* 74040* 83035* 92774*
parts 92750* 92766* 92773*
Republic of South Africa 83054
Southern States 47351
Sweden 29910*
Switzerland 64830*
Taiwan 29902
tests 64828 47343* 47349* 92776*
USSR 35438* 56117* 61874* 64831* 74035* 83051* 83055* 83058* 83065*
fallowing 18390 25900 44309 52877 52896 51340* 51673* 69433* 70353*
Alabama 42071
Argentina 35446*
Australia 18405 88343
Costa Rica 86986
desert areas
reviews 61475
Germany 34513*
New Zealand 26362
Tropics 44302
USSR 1631* 10004* 10332* 10350* 17004* 17041* 17184* 21596* 25280* 25856* 26308* 29909* 34359* 35431* 43174* 51616* 51693* 52889* 60472* 61459* 69275* 69294* 69392* 69555* 78305* 88256* 88643* 88676* 89176* 89276*
Finland 10325*
Florida 61460
Georgia 44307
Germany 10322* 10335* 44306* 70689* 89801*
East Germany 26376* 44303* 61039*
Great Britain 44310
Hawaii 44323
Hungary 10331* 52885* 52888* 52891* 58843* 60939* 60979* 61093* 61458* 61467* 70681* 78767*
Iceland 83050*
in insect control 4606 81811
in weed control 463 1957 9903 17681 47335 9885* 89333*
Austria 74049*
Bulgaria 89326*
Czechoslovakia 89399*
Hungary 60954* 60972* 78203*
Louisiana 29901
Minnesota 52260 78215
USSR 5730* 9876* 9877* 9884* 17798* 25879* 25941* 61874* 70113* 78192* 83051* 89275* 89300* 89347* 89377*

Item

Tillage--Cont
India 18347 26052 26368 52887 61463 78775 78776
Iowa 52890 70679
Italy 10340* 35433*
Japan 26372* 35429* 36920*
labor 10680* 57772*
Malagasy Republic 35434*
Michigan 52732
Minnesota 52873
mountain areas 18394* 70851* 74037* 70698* 83048* 89791*
Netherlands 2368* 18396*
New Zealand 44300 44314
Northwestern States 26367
Norway 52892*
Pacific Northwest 70685
Poland 10317* 89808*
research
linear programming 92752*
reviews 10326
Rumania 44312* 89728*
Scotland 44321
seasonal 18401
Czechoslovakia 89815*
Denmark 89802*
Germany 10321* 52874* 52893*
East Germany 26838* 61472*
Sweden 78758*
USSR 2369* 35438* 70695* 78762* 78764*
Spain 10327*
stubble-mulch 2360 18115 18578 21593 23135 47351 70684 2361* 13190*
Bulgaria 89669*
Hungary 52886*
Nebraska 2359
Oklahoma 35436 35445 44316
Pacific Northwest 52880
Poland 89788*
subsoiling
Bulgaria 18083*
Germany 18406* 38668* 56146*
Great Britain 35448
Hungary 35439* 44311* 44318* 61458* 70214* 70677* 78772*
Jamaica 18391
Japan 47338* 92772*
Louisiana 52883
Ohio 18404
reviews 35437*
USSR 2365* 2367* 5728* 10333* 10334* 44298* 44319* 47350* 56117* 61470* 78773* 89810*
Sweden 70690*
Taiwan 18398 26373* 35443*
Texas 18392
USSR 2357* 2358* 10319* 10323* 10329* 18402* 18403* 19004* 26374* 26848* 26876* 35427* 35430* 35441* 44317* 52884* 52895* 61388* 61461* 61465* 61466* 61473* 70682* 70683* 70686* 70688* 70693* 78763* 78765* 78768* 78771* 89795* 89812* 89814*
Yugoslavia 26371*
SEE ALSO Plowing; and SUBHEAD culture UNDER names of plants
Tillam 43670 52241

Item

Tillandsia 176 8250 32858
Tillandsia usneoides 1364
Tilletia 33316 86559
Tilletia barclayana 41911
Tilletia brevifaciens SEE Tilletia contraversa
Tilletia caries 420 8513 24304 59011
Tilletia contraversa 393 16972 16973 41802* 41882* 41883* 58916* 59064* 86934*
Tilletia eleusines 24593
Tilletia foetida 420 8490 8513 24304 50345 50386*
Tilletia levis 24369*
Tilletia nanifica 33158* 41745*
Tilletia pulcherrima SEE Tilletia barclayana
Tilletia tritici 402 24369* 86820* 86964*
Tillobroma SEE Hypenetes (Tillobroma)
Tillus transversalis 38084*
Timber
appraisal 2620 2627 18792 26774 27072
cruising 2612— 2614 1808 26776 44707 53244 71072 18806* 35835* 44706* 71070*
defects 10693 71162 90165 18801* 62124* 71449* 71472*
Georgia 53173
grading and standardization 27068 61781*
bibliographies 90380
harvesting SEE Logging; Lumbering; and SUBHEAD harvesting UNDER names and classes of trees
marketing 2614 10693 19192 27072 27077 53586 71457
Belgium 18764*
California 10987
Canada 10975 62105
directories 53593
France 10979* 79494*
Kentucky 45009
Minnesota 10985
North Carolina 53590
Ohio 90376
Tennessee Basin 79544
marking SEE Trees, marking
preservation 71438*
prices 2869 19192 27072 71457
Australia 79536
France 79494*
Kentucky 45009
Republic of South Africa 90375
Southern States 2927
properties 11123
purchase and sale programs 90368
quality 11123
bibliographies 90380
South Dakota 90043
taxation 35649*
USSR 61712
West Africa 71477*
SEE ALSO Lumber; Mine timbers; Wood
Timber and Allied Materials Development Association 90369
Timber and Plywood Annual 71467
Timber Development Association 71468
Timber Growers' Organisation 26677

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Item

Timber Trade Federation of the United Kingdom 2794 10890 26990 44913 44914 71344 71345
Timber Trades Journal and Sawmill Advertiser 62020
Timber Yearbook and Diary 79501
Time-series analysis 13474 13481
Time-temperature-tolerance test 14531* 21786* 65089*
Time and motion studies SEE UNDER Efficiency
Timiryazev K A 58428*
Timiryazevskaya Sel'skokhozyaistvennaya Akademiya 3280* 94959*
Timopheevi wheat 17197* 25381* 69418* 77853*
Timora 38519*
Timothy SEE Phleum
Timulla querandi 82589*
Timulla (Timulla) 82589*
Tin 78363 22325* 56440* 93808*
Tin arsenate 11938 28510*
Tin compounds
anthelmintic 91204*
fungicide 50431 2847*
in wood preservation 44976* 53568* 53569*
Tinea confusella 5499
Tinea mendicella 47183*
Tinea metonella SEE Tinea turicensis
Tinea piercella 47183*
Tinea turicensis 73856
Tineidae
larvae 20563
nomenclature 5499 47183*
Palearctic Region 64698*
taxonomy 47182 13046* 38498*
USSR 82808*
Tineoidea 21391 20752*
Tineola biselliella 20563 81849 46630*
Tingidae
anatomy and physiology 63985* 82511*
Australia 5222
Bulgaria 38341*
control 37644
Eastern Hemisphere 5221
ecology 92489 63985*
India 38317 64486
larvae 47044 92519
nomenclature 29524
taxonomy 12921 64519*
Tingis 5222
Tingitanine 60344
Tingoidea 82532
Tinodes 64731 38578* 47258*
Tipburn
cabbage 16764
Pinus strobus 10800
Tiphia 5267 5268
Tiphiinae 64530
Tipula 12858 55784 64403 73657 82353 29468*
Tipula (Angarotipula) n sgen 29468*
Tipula (Beringotipula) n sgen 29468*
Tipula iridescent virus 12862 38242
Tipula (Lunatipula) 73662
Tipula oleracea 82399
Tipula paludosa 12862 82367
Tipula subnodicornis 82367
Tipula (Vestiplex) 73662
Tipulidae
anatomy and physiology 5103
Asia 82353
breeding places 5136

Item

Tipulidae--Cont
collecting and preserving 12892
cytology 82399
diseases 12862
Great Britain 29461
Himalayas 5055 5057 55765
Japan 5110
larvae 5069 82367
Nearctic Region 12858
New Guinea 38156
North America 46917
Rumania 55784
taxonomy 5056 29409 38157 64402 64403 73657 73662
USSR 29468* 29469*
Tipulinae 73662
Tires 64945 92934*
tests 5817 30010*
tractors 47504 64943 21677* 38778* 47513* 64963* 92919*
maintenance and repair 83202 74228*
Tischeria 82675*
Tischeria szöcsi 82733*
Tischeriidae 82733*
Tissue culture
animals 17310 20112 20420 45576 54648 63270 80421 81577 11258* 11286* 46026* 54830* 62409* 80252*
reviews 71710*
insects 21192 82632 73500 12719* 12741* 64205* 73526*
plants 8168 8802 9054 9167 9169 16708 16732 16741 33871 42845 43043 50466 50806 50809 51183 51354 51390 59757 59763 59981 68353 68379 68390 68399 68545 68778 68820 68821 77260 77627 88252 8907* 8965* 9091* 16310* 16508* 16605* 16792* 24795* 24845* 42029* 42482* 50945* 50969* 77531* 77660* 87252* 87317*
ticks 73572 82170
viruses 3173 3925 4130 11248 11310 19931 20009 20183 20185 20203 20223 20499 20652 28702 36672 37031 37387 37407 46253 53948 54010 54278 54342 54396 54397 54929 62334 62465 62804 62868 62869 62892 63010 63154 63155 63174 80296 81084 81266 90677 91283 91510 4264* 11224* 11285* 11301* 11320* 11348* 12249* 12251* 12269* 12303* 12741* 19476* 20310* 20369* 27339* 27412* 27436* 27717* 28034* 28126* 28262* 28324* 28325* 28494* 36219* 36341* 36729* 37098* 37265* 45831* 46031* 53864* 53985* 53994* 54027* 54462* 54920* 55082* 62466* 63280* 63534* 71746* 72344* 72649* 72665* 79747* 79799* 79843* 79844* 80637* 80639* 90682* 91241* 91483* 91556*

Item

Tissue therapy 11275 19528 53949 19986* 45646* 53969* 71720* 73464* 79926* 90766*
cattle 3430 91061 27839* 45684* 72214* 91046* 91089*
dogs 45785*
swine 28674* 37372*
Tissues
animals 3069 3929 3973 4116 11248 11260 11953 19501 20377 27863 28441 28648 36566 36982 37011 37079 37229 37258 40104 45314 45836 45870 45991 46012 54761 62334 62342 63438 63490 63516 72157 80190 91348 11301* 11320* 12251* 20310* 20312* 28494* 39913* 45662* 45980* 55287* 62339* 62382* 71846* 72616* 72839* 79762* 79767* 79774* 80528* 80932* 81116*
analysis and composition 9292 22763 28865 53933 60288 45275* 54868* 67142* 79921* 83332* 93811*
anatomy and physiology 3134* 39912* 46091* 62359* 63452* 71744*
freeze-drying 36310 36321
freezing 36270
grafting 19450 36934 54513 72297 91507 20026* 36288* 54560*
properties 75405*
arachnids 21079 55699 82133 82170
insects 21005 29277 38232 38499 55628 55642 73878 82095 82758 92646 29270* 37437* 37925* 38475* 47222* 56044* 64218* 82520* 82872*
plants 8156 71574* 73127* 92302*
analysis and composition 1399 4636 53933 60288 60304 88108 1347* 77494* 88188*
anatomy and physiology 50974 12896* 24822* 46712* 60103* 63951*
biochemistry 9258 60303 60358 88181*
Titanium hydroxide 35166
Tithoreini 55946
Tithrone catharinensis 29766*
Tithrone major 82844*
Tithrone segnata 82843*
Titrimetry 50505* 90446*
Titsona 55659
Tityus bahiensis 29312* 82182*
Tityus serrulatus 73567 28819* 29312*
Tiurin test 2113* 78397*
Tmesiphorus 29368*
Tmesisternus 82225* 92347*
Tmeticus 82180
TMTD SEE Thiram
T N O SEE Nederlandsche Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek
Toads 55162 73436*
Tobacco
abnormalities 55454

Item

Tobacco--Cont
acreage allotments 31605 66254 75791 85496 85786
acreage and area 7300 31606
advisory services 57603
analysis and composition 1185 7301 7303 7307 22904 22905 22911 22922 31601 43344 48966 48967 66257 75786 85109 94084 94089 94093 22914* 31622* 48957* 85086* 85103* 85116*
anatomy and physiology 1185 1276 1277 9089 9148 16490 16571 16628 16798 24841 25046 25154 25526 33107 33863 33934 34173 34190 34205 34231 42607 42608 42707 42812 42823 42900 50497 51012 51046 51350 51431 60184 60258 68698 68820 69015 70492 87571 87717 87845 87860 87994 88007 88062 16501* 16853* 24921* 33833* 33884* 34215* 42003* 42471* 42523* 42528* 42547* 51266* 68602* 68614* 68655* 68755* 68966* 77672* 87497* 87566* 87574* 87584* 87618* 87644* 87722* 87802* 87804* 87859* 87875* 88053* 88095*
bibliographies 993 1004 1011
associations 58285 75781 31610*
bacterial diseases 41948 86971
bibliographies 57583
biochemistry 1375 1389 9308 25236 25243 34314 34328 51478 51503 51571 59718 60361 77794 88105 25207* 25212* 51504* 60298* 68614* 77790* 77808* 88202* 88208*
breeding 1657 17270 51863 51865 25212* 88789* 88794* 88798*
Bulgaria 17272* 69683*
India 34573
Italy 42447*
Malagasy Republic 17267*
Rhodesia and Nyasaland 69685
Rumania 43346* 88791* 88805*
Sweden 1622*
USSR 17273* 87426* 88799*
care and handling 57589
chemistry 7304 9541 22925 25526 31618 14635* 57604*
consumption 66261 85091 14632* 22919*
contamination 7306 22911 41030 66267
cooperatives 7297 22912
costs and returns 57588 66254
Indiana 94490
Mozambique 76247*
North Carolina 94522
Poland 94489*

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Item

Tobacco--Cont
costs and returns--cont
Rhodesia and Nyasaland 40665
USSR 21549*
culture 9541 9544 17274 51012 60614 60618 78659 88790 1656*
Angola 78014*
Argentina 51861*
Australia 25525 43348 88788
Bulgaria 88807* 89793*
Canada 1658 1660 25528
Congo 25531*
Connecticut 10320
Florida 34572
France 60615*
Georgia 43349
India 1659 51859 52821 87571 88801 88802
Italy 9545*
Kentucky 43347
Maryland 1661 61462
Mauritius 60617*
Mozambique 88786*
North Carolina 17266 51864
Pennsylvania 61462
Philippines 78011
Poland 17271*
Rumania 78015*
Spain 78013*
USSR 51866* 88797* 88800* 88808* 88810*
Vietnam 25524
West Virginia 51858
Yugoslavia 24213*
curing 7295 7302 9544 29925 66273 87875*
Australia 25530 40205 57580
equipment 56170
Florida 14636
Japan 85087*
cytology 8778
directories 7305 31621 57586 75780
discoloration 66273
disease resistance 1657 8928 16017 17270 33148 33229 33230 41830 41939 41957 77218 33171* 67932* 86739* 86817*
Bulgaria 17272*
North Carolina 9543
Pennsylvania 51862
Rhodesia and Nyasaland 50286
Tennessee 60616
USSR 88799*
diseases 33102 33107 41659 41661 58845*
drying 85109 9546* 22923* 85087* 85094*
ecology 68181*
enzymes 57581*
equipment 83037*
farms 23267 32089 40665 76077 15030* 55767* 66260*
fat and oil content 85109
fermentation 40214 85092 85117 14638* 31609* 40204* 48956* 57591* 94087* 94088*
fertilizers 70492 42528* 70529*
Australia 2311
Bulgaria 89669* 89741*
Georgia 70541
India 52821
North Carolina 89638
Puerto Rico 78704

Item

Tobacco--Cont
fertilizers--cont
Rumania 89659*
Tennessee 18336
USSR 18334 44210 70488* 70649* 87804* 89668* 89693*
Yugoslavia 89770*
flavor and odor 25525 51866* 85089*
flowering date 34573
fungus diseases 16017 24214 24279 33230 41830 59087 67790 67932 77102 33154* 33345* 58994* 86855*
Australia 472 8411
Austria 67823*
Bulgaria 86739*
control 33229 59189 16062* 41766* 50334* 59083* 67915* 74175* 74188* 86736* 86852* 86853* 86854* 86880*
Austria 67842*
Belgium 77087*
Bulgaria 86816* 86905*
Germany 50299*
Hungary 41798*
Italy 33261* 33299* 33303* 67809* 77196* 86763*
Netherlands 58921
Poland 86776*
reviews 67936*
USSR 86894*
Venezuela 77190
Yugoslavia 24213*
Europe 67789* 77131* 86884*
France 8510* 59027* 86788* 86817*
Germany 8464* 8474* 15998* 41820* 41906*
East Germany 24204*
Italy 16098* 33172* 33260* 67865* 86762* 86772*
New Zealand 8484
Poland 86927*
reviews 86908
Rhodesia and Nyasaland 50286
Switzerland 67834*
Tripolitania 59036*
USSR 16123* 86900* 88799*
Yugoslavia 86874*
genetics 905 16490 34573 42347 59718 87392 87420 87433 42374* 68522* 87400* 87426*
germination 33882 16550* 87644*
grading and standardization 66255 14634* 94083*
hardiness 8967* 88080*
harvesting 87994
Australia 25530
equipment 21610 56170 21622* 92830* 92831* 92832* 92843*
Mozambique 88787*
USSR 9546*
history 22917 57594 60614 75785* 85104*
Rhodesia and Nyasaland 22910
Spain 66266*
hybrids 758 16453 33229 60361 87433 25527* 69683* 88798*
Bulgaria 17272*
Poland 9547*
industry 7293 13387 40211 66270
Australia 48958

Item

Tobacco--Cont
industry--cont
Canada 22913
Congo 35356*
Connecticut 31620
Germany 31617* 40212*
Great Britain 31621
India 57596
Italy 40207*
Mauritius 66265
Mozambique 48961* 66268* 94092*
North Carolina 57582 57597 57606 57607 85096 85098 85099 85108 85113—85115*
Philippines 22927
Rhodesia and Nyasaland 66262 75790
South Carolina 57579
Switzerland 7299
USSR 31607 75787* 85111*
Virginia 85965
injuries 41707 46510 24126*
irrigation 61120 44398* 68655* 87802* 88806*
labor 57760 23118* 57767*
legislation 58293
male-sterile 42401
marketing 7293 7306 22924 48963—48965 60614 75792 94097
Australia 31619 75779
Georgia 40209 48960
India 1659
Italy 75784*
Kentucky 57589
legislation 94086
North Carolina 22907
South Carolina 48955
Virginia 22915
West Virginia 51858
mechanization 9544 21549* 82956* 92710*
moisture 85094* 94090* 94094*
morphology 758 42321 68261 68380 87252* 87400*
nematode resistance 33436 51860
nematodes 77255 87128*
control 16179 17704 87113 77294*
Florida 24487
India 42074
Republic of South Africa 611
Rhodesia and Nyasaland 77280
Virginia 24472
nutritional deficiencies 1141 68048 87646
packing 94094*
pest control 28959 55373 55374 55377 55454
Australia 4656 29036
Connecticut 41659 41661
India 55412
Massachusetts 41659 41661
Republic of South Africa 4639 81679
Rhodesia and Nyasaland 20708
USSR 55444* 55452* 73236* 81702*
Yugoslavia 86716*
pest resistance 12518
pests 28745 29528 20761* 29018* 86698*
physiological diseases 1294 8928 34231
planting 78010 68966*
Australia 88788

Item

Tobacco--Cont
planting--cont
Bulgaria 88806*
equipment 47339* 74071*
North Carolina 1662
Virginia 44471
planting date 88793* 88803*
policies and programs 75792 85093
Australia 14630
Canada 66258
Greece 31606
India 85097
New Zealand 31614
Republic of South Africa 14637 22920 57598
pollination 87400* 88794* 88798*
prices 31602 66255
processing 7293 31613 31618 57599 75789*
equipment 22926 75782 13274* 22906*
Germany 7296*
Hungary 66263*
Rumania 75788*
South Carolina 48955
Vietnam 25524
production quotas 14639 57588
propagation 42812
by grafting and budding 51504* 88804* 88809*
properties 31603 31612 57599 57600 66257 66259 85085* 85094* 85095* 94091*
proteins 34173 88208*
quality 25154 57584 85106 94095 16062* 31616* 85086* 85090* 85110*
Australia 25525 31619 87646
Germany 7296*
India 52821
North Carolina 57606
Rumania 94087*
South Carolina 57579
USSR 18303* 85107* 89693*
regulation and inspection 57603
seeds 17271* 58845* 69683* 87574* 88809*
treatment 33882 16550* 58874* 88080*
situation and outlook 22903 22908 22918 31608 32411 57585 57601 57602 85102
Europe 94096*
France 40210*
Georgia 31602
India 40208
Maldive Islands 57595
North Carolina 57590 57593 57605 85088 85105
Puerto Rico 7298 22916
Rhodesia and Nyasaland 7294 66256 66269
South Carolina 22921
USSR 57587*
Virginia 85112
soils 41830 78659 70529* 86854* 87574*
Australia 44156 61120 78962
Belgium 61632*
Congo 35356*
USSR 18303*
spraying and dusting 1294 8539 55428 56233* 59083*
equipment 74145* 74188*

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Item

Tobacco--Cont
starches 85100
statistics 7306 14631 48962 48963—48965
Canada 94085
Great Britain 83581
India 31604 40213 48959 66264 66271 75783
Venezuela 66272*
USSR 66260*
storage 7304 69966*
Mauritius 66265
pest control 4738 64047
pests 37783*
structures 21738
taxation 23062 23060*
tests 66259 31615*
trade 7293 7306 7848 23608 23641 40963 40993 41030 41032 49610 58285 58293 66270 76579 85965 85966 85968 85973 85979 85980 85984 85989 86003 86018 86024 85025 94755 94762
Cuba 32411*
Europe 23597 94755 94762 94096*
European Economic Community 23251 76579 7907*
Germany 40212*
Greece 32351 7907* 40212*
international 15391
Mozambique 94092*
Rhodesia and Nyasaland 67040 67041 67059 76513 76544
Scandinavia 85973
South America 85980
transportation 85101 85965
types 7295 7302 16628 22908 22918 25529 40211 43344 48963—48965 57585 57588 57589 57599 57600—57602 60618 66253 66255 66274 70492 78010 85106 85966 86018 86025 94755 40204* 85086* 87802* 94083*
Canada 88796
Connecticut 31603
Cuba 32411*
Czechoslovakia 42321
Florida 8928 24487 51860
Georgia 70541
India 88801 88802
Maryland 57603
Mozambique 66268* 88787* 94092*
North Carolina 17266 89638
Philippines 1277
Rhodesia and Nyasaland 66269
Rumania 44398*
South Carolina 48955
Tennessee 18336
Virginia 22915
Yugoslavia 86874*
USSR 57591*
utilization 14631 31602
varieties 1657 8778 24430 25526 25529 43344 51865 17268* 68614* 85110* 94091*
Albania 43350*
Bulgaria 16501* 86739* 88803*
Canada 43345 88796

Item

Tobacco--Cont
varieties--cont
Florida 25532 51862
India 1659 34573
Maryland 87717
North Carolina 9543 17269
Pennsylvania 51862
Philippines 20712
Poland 9547* 69684*
Puerto Rico 88795
Rhodesia and Nyasaland 60613 78012
Rumania 87497* 88791* 88805*
South Carolina 88792
Tennessee 60616
USSR 9542* 17273* 51866* 69966* 87426*
Yugoslavia 86874*
virus diseases 536 576 8590 8594 8597 8609 16121 16125 16149 16157 16159 16162 24403 24407 24415 24430 24433 33376 41987 42024 50471 50479 50482 50483 50495 50496 50497 50501 50514 59117 59158 68006 68008 68025 68035 68044 68045 68048 68380 77218 77222 77234 81626 87013 87017 87020 87025 87033 87036 87037 87044 87056 87077 87091 87098 87099 88105 8617* 16111* 17272* 33382* 41959* 41986* 41991* 42003* 42126* 42040* 50490* 59114* 59115* 59157* 59164* 77216* 87100*
Belgium 68040*
Brazil 24405
control 41967 67999 42000* 42021* 92092*
Bulgaria 63917*
USSR 55452*
Czechoslovakia 77219*
Florida 81709
Germany 59189 24406* 41967*
Philippines 20712
Rhodesia and Nyasaland 68010
transmission 16151 20712 55380 55462 59207 73191 77255 8591*
USSR 16123*
Yugoslavia 24444* 40216*
weed control 1905 17704 52195 70036 26611*
weight and measurement 14633* 94091*
yields 25526 70492 78010 68755* 87566*
Bulgaria 89741*
India 52821 87571
North Carolina 17269
Poland 24126*
South Carolina 88792
Tennessee 18336
USSR 70488* 70649* 88810* 89693*
SEE ALSO Nicotiana; kinds of tobacco; and UNDER Monopolies
Tobacco Associates 66270
Tobacco Association of the United States Traffic Committee 85101
Tobacco barns 3387 13382 21734 21739

Item

Tobacco budworm SEE Heliothis virescens
Tobacco hornworm SEE Protoparce sexta
Tobacco Industry Trust Account (Australia) 14630
Tobacco seed oil 66105 68409*
Tobacco thrips SEE Frankliniella fusca
Tobacco World Annual 31621
Tobiasia n g 73792*
Tocklai Experimental Station 6124

Tocopherol
analysis and composition 67131
bibliographies 32466
determination 48785 74751*
in animal nutrition 19418 90548
in animal physiology 11257*
in blood 54406
in cattle nutrition 19743*
in cattle physiology 27764 27569* 45573* 80048* 81039*
reviews 79920*
in fats and oils 22712 48785 32483*
in feed 20234 71659 90536*
in fox physiology 91277*
in grain 7961* 14286*
in horse physiology 11832
in human nutrition 67105
in milk 74751*
in mink nutrition 36851
in pigeon nutrition 63235
in plants 54706 88205 8871* 34051* 59865*
in poultry nutrition 3918 28352 54706 63323 72547 72565 72642 63295* 91443*
reviews 45932
in poultry physiology 20260 20276 28264 72671*
in rabbit nutrition 37149
in rabbit physiology 12054
in sheep nutrition 37243
in sheep physiology 54967 20415*
in swine nutrition 63613*
in swine physiology 63649*
reviews 79920*
in turkey nutrition 63235
reviews 67131
alpha-Tocopherol 28264 56835 59865*
gamma-Tocopherol 59865*
alpha-Tocopheryl acetate 74890
Todo fir SEE Abies mayriana
Toes 80574
Tofieldia 32770*
Tolbutamide SEE 1-Butyl-3-p-tolylsulfonyl urea
Toledo (Ohio) Area Sanitary District 73178
Toluene 10970 22132 11218* 90351*
Toluidine blue 76823*
Tolypanthus 68245
Tolypella hispanica 32908*
Tolypella intricata 67570*
Tolypothrix tenuis 69187
Tomanol 91266*
Tomaspis bicincta 20780
Tomatin 77120*
Tomato Genetics Cooperative 50838

Tomato juice
bacteria 39640
concentrated 15867*
containers 75166*
drying 31033
industry 56937
keeping quality 65761
quality 93607*

Item

Tomato paste 31016 30942 56980* 70000* 84202* 93638*
Tomatoes
abnormalities 59586*
acids 56978*
analysis and composition 30942 39652 48340 75106 22340* 39642* 84202*
anatomy and physiology 991 1006 1200 16526 16720 16738 16768 16797 24980 25171 33952 34034 34114 34136 42453 42882 42916 50975 51039 51040 51176 51282 51424 51425 59093 59828 59848 68622 68747 68834 70879 77487 77600 77653 77654 77691 87382 87476 87739 87745 87990 1073* 8966* 9062* 9091* 16670* 16697* 16803* 24774* 24784* 24813* 24835* 24880* 24897* 24960* 24988* 24992* 25070* 25092* 25107* 25111* 25179* 33919* 34018* 34329* 42315* 42682* 42714* 42846* 42871* 50380* 50998* 51036* 51273* 51283* 51370* 59827* 59902* 29994* 60000* 60084* 68616* 68713* 68784* 69023* 69052* 69092* 69096* 69121* 69129* 69145* 69154* 77542* 77582* 77606* 87249* 87581* 87775* 87983* 88010* 88081* 89198*
bacterial diseases 533 8558* 41938* 67971*
Australia 86979
control 526 8561 77211 77205*
Florida 59099
Israel 41958
Puerto Rico 8568
Rumania 86988* 86989*
USSR 86976*
biochemistry 1325 39768 41899 60295 1310* 16927* 25196* 25213* 42315* 42846* 42980* 51504* 86989*
breeding 52086 89226 34872*
Algeria 34937*
Bulgaria 16422* 17570* 52095*
Great Britain 9813
Hungary 89169*
Portugal 9799* 34867*
Rumania 89196*
USSR 17617* 34873* 68520* 69905* 89231*
canned 30994 48474 93654 89233*
care and handling 21627
chemistry 75122
color 39652 39748 51425 69990*
consumer preferences 56986
containers 84304
contamination 92071
cookery 58314
costs and returns 15105* 15111* 40685* 78135*
culture 1834 87909 89144 89172 25862* 34877* 78134*
Alaska 1833
Belgium 52109*

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Item

Tomatoes--Cont
culture--cont
Bulgaria 89156*
California 9860
Finland 9847* 78147*
Florida 60887
Galapagos Islands 25076
Germany
East Germany 34891*
Ghana 34910 34916
Great Britain 1873
41643 42916 89150
Guernsey 60910*
Gulf Coast 60873
India 78766
Ireland 34901 89239
89240
Italy 78175*
Mexico 34884*
Morocco 69912*
Netherlands 25826
1866* 9830* 16614*
26264* 41702*
New Zealand 89238
North Carolina 43614
Northern Ireland 1890
Norway 9848* 43532*
43644* 52135* 52147*
Ohio 69941
Rumania 25829* 51273*
52127*
Spain 17608* 25859*
USSR 9797* 10337*
34941* 60883* 60912*
69921* 69930* 89198*
cytology 33428 87421
16315* 42191*
damage 21627 34034
57028
defoliation 9860 77691
disease resistance 18113
41899 50295 50296
52086 52130 77118
89226 24219* 33365*
69129*
Florida 1900
Ohio 1835
Texas 60915
USSR 86976*
diseases
control 15942 24125
34877* 67731*
Iowa 86654
Italy 50172* 67689*
Morocco 33104*
Netherlands 58858*
Norway 41691*
drought resistance 42714*
68713* 87803*
enzymes 86976*
equipment 56119*
fertilizers 10313 52794
87909 2284* 2286*
52720*
bibliographies 2262
Brazil 78712*
Bulgaria 18379*
Hungary 87983*
India 52918
Ireland 78654
Italy 10230*
Netherlands 26341*
Norway 41691* 89757*
Oklahoma 89131
Poland 89649*
Puerto Rico 78561
Turkey 33238*
USSR 18306* 35309*
70489* 70659* 78725*
89665* 89666*
for processing 17753
21627 35840 52073
93532 25804* 56978*
75152*
Bulgaria 70000*
New Mexico 43598
North Carolina 43614
Ohio 41671
Texas 60915
Utah 14115

Item

Tomatoes--Cont
forcing 9847*
fruit set 33896 87589
87909 87941
fungus diseases 16033
18113 33338 50295
50296 50336 52086
59009 59090 59093
67867 8523* 16057*
24219* 24375* 50380*
59045* 77120*
Australia 24310 50338
Brazil 24222*
control 33159 41929
58956 77118 58979*
Australia 24306
24310 86912
biological 421
France 24274*
Italy 77159* 58973*
Maryland 16021
Netherlands 59091*
Republic of South
Africa 24224 86777
USSR 59022*
Yugoslavia 86728*
Florida 59061
Great Britain 8452
Hungary 24238*
Japan 86814
Netherlands 33328*
41744* 58940* 59084*
Norway 50255*
Sardinia 33262*
Turkey 33238*
genetics 915 16408 16430
16459 16470 16475
16476 33760 50838
68443 87382 87421
87434 87476 16422*
16482* 24725* 33753*
34239* 42393* 42394*
42440* 50853* 50854*
68520*
germination 25076 24988*
hardiness 34879* 34935*
42481*
harvesting
Bulgaria 66463*
equipment 5740 21627
24980 47393 47428
60915 83111 5774*
92834* 92859* 47414*
83100*
homogenized 75122
hybrids 16459 87434
24219* 33733* 42387*
52083* 88081*
Bulgaria 16422* 17570*
52095*
Rumania 89196*
USSR 68520* 69905*
industry 30919 93644
75062*
injuries 16788 41643
58900
irrigation 35480 52918
10354* 18544*
keeping quality 39748
labor 31782 66463*
male sterile 16460
marketing 14092 93583
25851* 60910*
mechanization 60867*
morphology 68316 42181*
42315* 42846* 59442*
59507* 59613*
nematode resistance 77283
nematodes 16128 16183
33428 33433 68067
77283 68085* 87128*
control 24453 33435
50553 68080* 68082*
nutritional deficiencies
68575 59613*
packing 14092 57039
57060
peeled 22436* 57097*
pest control 4609
Australia 46432 46446

Item

Tomatoes--Cont
pest control--cont
California 12458
Florida 63909 63921
Indiana 63913
Italy 46498*
Maryland 20694
USSR 81618*
pest resistance 55460
pests 29034 82187 92071
63962*
Arizona 4646
California 29033
Italy 12488* 67689*
Maryland 81726
Norway 55399*
physiological diseases 1090
77691 33970* 34148*
42568* 42638* 68913*
77467*
planting 52113 25862*
69998*
Morocco 78137*
New Mexico 43598
Oklahoma 89131
USSR 60867* 60882*
60883* 69953* 69964*
planting date 60861 34935*
89136*
pollen 16408 16422* 59586*
pollination 9062* 25070*
42393* 42394*
prices 93532
processed 31016 93644
39762* 75062* 93663*
processing 57085 39762*
92859*
production regions 93644
propagation 25842*
by grafting and budding
16482* 42440* 51504*
52083* 60879* 89145*
89196*
properties 22436*
pruning 34946*
purchasing 58314
quality 10313 33980 42916
69992 24897*
Netherlands 1866* 58858*
Spain 75152*
USSR 89665*
Utah 14115
ripening 39768 14134*
65782* 75244*
seeds 68575 34239* 34875*
34941*
storage 42047*
treatment 1247 33919*
34208* 42714* 59507*
67731* 69121* 87803*
situation and outlook 65691
93532 14022*
size 77691
soilless culture 8561
52136* 70398*
soils 70879 1073* 34239*
51370* 70398*
Ireland 77600
Italy 78973*
USSR 70489*
spraying and dusting 16021
41671 42871*
statistics 22443* 65841*
75253*
storage 39768 14151*
65782* 75244*
controlled atmosphere
22431
diseases 33890 39757
57060 57085
temperature 39748
ventilation 93645*
trade
Austria 14022*
transportation 93645*
utilization 75126*
varieties 33896 52130
69992 77691 9847*
34875* 34877* 42393*
Arkansas 25828

Item

Tomatoes--Cont
varieties--cont
Australia 1881
Bulgaria 70000* 89136*
California 34948
Canada 52081
Delaware 52073
Florida 1900 9855
Illinois 52099
India 55460
Ireland 89239
Japan 69990*
Latvia 39642*
Michigan 69940
Missouri 52104
Netherlands 1866*
New Mexico 89163
Norway 9848* 43644*
Ohio 1835
Sicily 25804*
Texas 16788 60915
69991
USSR 25832* 33365*
34877* 86976* 89168*
89231* 89233*
virus diseases 554 16114
16115 16151 24435
29034 33394 33890
41996 42032 50501
52086 41977* 41984*
42047* 77240* 87075*
Argentina 24423* 86893*
Australia 24400 46432
Brazil 81653*
California 29033
Canada 24419
control 42047*
Costa Rica 33408
Florida 81709
Poland 42041* 68028*
transmission 16128
USSR 33365* 68027*
Utah 540
vitamins 30942 22340*
weed control 17753 17780
17782 52261 52267
52337 52238
California 17644
Canada 43799
Delaware 52297
Northeastern States
52335
USSR 70072*
yields 1073 10313 17782
60861 2284* 2286*
24897* 34208* 60084*
69023* 69129* 87803*
Bulgaria 18379*
Great Britain 42916
Japan 69990*
Maryland 16021
Massachusetts 58900
New Mexico 89163
Oklahoma 89131
Poland 89649*
Texas 16788
USSR 9797* 10337*
15105* 25107* 60882*
60883* 70489* 78725*
Tomentella 24106
Tomia n g 5135
Tomicobia seitneri 73370*
Tomme M F 41190*
Tomocerinae 73909
Tomocerus 73909 21488*
Tomocerus minutus 82915*
Tomorin SEE Coumachlor
Tomotaenia 82131
Tomotilus n g 29748
Tompkins-Tehipite Expedition
32646
Tongue
bees 4817
cattle 80305 54441* 62834*
72149* 80353*
dogs 20037 28052
poultry 28344
Tonsillitis 63008*
Tonsils 12232 28018 91200

*Text of this reference is not in English.

Item

Tools 82932 74169* 74222*
Australia 47452
maintenance and repair 47448 47461
wood 2978
Toona calantas 71213
Toona ciliata 60342
Topacio T 49840
Tophoderellus 46910*
Topiary SEE Pruning
Topor N 58452*
Topostasin SEE Thrombin (topical)
Torneuma 38100*
Toronto University Glendon Hall Laboratory and Garden 18664
Torrents 19071* 26595* 44862* 44893* 70727*
Torreya 58781*
Torsite 33058 33363 36639 39000
Tortonia 64275
Tortricidae
anatomy and physiology 38441 64068 64668* 82657* 82676*
Argentina 29709*
as pests 29095*
Great Britain 4717
Morocco 92149*
New York 13028
Portugal 38425*
Republic of South Africa 21412
Spain 38425*
Switzerland 21357* 37697*
Tennessee 29059
USSR 12547*
Canada 5482 81786
Central America 13021
control 12590 64068 29095* 81770*
Germany 29670* 92613*
Great Britain 5355 5448 5449 5485 29632
habits and behavior 13024 29723 73799 73842
nomenclature 5391*
North America 13021 82634
nutrition 13039 21429 47159*
Palearctic Region 21414* 47181* 64611* 92608*
parasites 82767
Poland 73835*
taxonomy 5503 21417 82762 82768 92607*
Tennessee 21360
USSR 38483*
Tortricinae 82767
Tortricoidea 5433 5434 73816
Tortrix capensana 21412
Tortrix murinana SEE Archips murinanus
Tortrix postvittana SEE Austrotortrix postvittana
Tortrix pronubana SEE Archips pronubanus
Tortrix viridana
control 29139* 55556* 64076* 81883*
eggs 21421*
Germany 81908*
outbreaks 12636* 64076*
Tortula stanfordensis 8276
Torula compniacensis 24596
Torulopsis 306
Torulopsis haemulonii 86588
Torulopsis pinus 86565*
Torulopsis utilis 18249 23694 68311 48119*
Torymidae 73782 81887 82624*
Torymus 82373
Toumeyella liriodendri 21278

Item

Toumeyella numismaticum 4758 38299
Tourism
Appalachian Mountains 94588
Italy 8322* 58148* 85837*
Missouri 57705 57706
Tovomita 32722 41375
Town and Country Business Program 85895 85896
Town and country planning 85779*
Germany 40749*
Great Britain 49386 85739*
Netherlands 94574*
Poland 94601*
Scotland 40756
Town meetings SEE Government, local
Toxaphene
cattle pest control 28911
cotton pest control 28952 29053
determination 22687 63726
effects on plants 81630
oil crop pest control 37622*
residues 20798
rodent control 33048*
toxicity 29208* 64170*
Toxascaris 28082*
Toxascaris leonina 91236*
Toxic fat disease 45947 46001 75528 91559
Toxic liver dystrophy SEE Liver dystrophy
Toxicodendron diversilobum 89402
Toxicodendron radicans 1915 17643 17789 52295 60961 89247
Toxicodendron succedaneum 34309
Toxicodendron vernicifluum 34309 84936*
Toxicodendron vernix 89247
Toxicoscordion SEE Zigadenus
Toxins 1383 7051 8473 12128 12597 50439 51325 73617 79796 80271 29550* 51510* 63761* 77120* 81035* 81326*
Toxocara 28082*
Toxocara canis 28151 53922* 63187*
Toxocara infestation SEE Ascariasis
Toxoids 72243
Toxoplasma 91897*
Toxoplasma gondii 12147 3965* 27434* 54815* 72590*
Toxoplasmosis 20385 3093* 3206* 27434* 53818* 79782* 90613*
cats 91265 63068*
cattle 62768* 72347* 91871*
diagnosis 27460 27461
dogs 20033 91265 20034* 54516* 54523* 54549* 72347*
ducks 72590*
foxes 28084
guinea pigs 45864*
man 32221 91265
mice 54679* 54680*
minks 3729
pigeons 80830*
poultry 3965* 12286* 54815* 63657* 91526*
rabbits 28403*
sheep 12147 20385 28465 63434 81025 81118
swine 12286* 63657* 91871* 91897*
Toxopoda 73712*
Toxopodinae 73712*
Toxoptera aurantii 37732 92200

Item

Toxoptera citricidus 63993
Toxoptera graminum 12450 28757 29052 46472 47028 55391 55405 81642*
control 46434 46473 46474
Toxopterella (Sorbobium) n sgen 29543
Toxorhina 38156 38157 64402
Toxorhynchites rutilus septentrionalis 5208
TPN SEE Codehydrogenases
Trabert F W 41193*
Trace elements SEE Minor elements
Trachea 3588 63117 63273 64272 27867* 38238*
Trachea illyrica 38484*
Tracheata 12760*
Tracheloaspis n g 4936
Trachelophora 46816*
Tracheobronchitis 36784
Tracheomyia macropi 21190*
Tracheotomy 3432 19997 11697*
Trachyandra 67486
Trachychloron 217
Trachyderes thoracicus 29329*
Trachyderini 82294
Trachygamasus 38020
Trachyostus ghanaensis 21146
Trachysphyrus 38417
Trachystreptus cambaloides 12774
Trachytes 52780*
Trachytidae 4969
Trachyuropoda 38020
Traction 13323* 30003* 30006*
Tractors 18398 47494* 74205* 74206* 74207* 92685* 92691*
cabs 83200 21687*
Canada 83215
caterpillar 47520 53514 13307* 18948* 74196* 78271* 90322*
construction 30009* 38754* 38775* 56093* 56255*
costs and returns
Arkansas 47488
France 74209*
Georgia 92940
Germany 21680* 29996* 74234*
East Germany 64944*
Mississippi 74240
USSR 64956* 64957*
Czechoslovakia 47517*
depreciation 38768 64793* 92953*
designs and specifications 5812 13314 13316 47509 83205 13326* 38753*
Canada 47487
Germany 83214* 92942*
Great Britain 13312
diesel 5826 47502 64966 56245*
directories 38768 47505
effects on soils 5809 43926* 52426* 61081* 64965* 78271* 83211*
equipment 5821 29905 38676 56232 64964 92922 92952 13324* 21674* 21675* 21681* 29985* 38764* 38774* 38776* 47416* 47481* 47486* 64839* 64940* 64946* 73963* 74044* 74072* 74188* 74195* 74216* 74223* 74238* 83197* 83213* 92943* 92944*
Georgia 92940
Germany 56130* 64859* 64865*

Item

Tractors--Cont
equipment--cont
Hungary 74038*
Japan 38763* 92772*
USSR 13308* 15945* 20697* 74194* 74220*
Finland 30017* 56259*
France 92925*
garden 92930 92691* 92908* 92948*
equipment 64965* 83063*
France 83191*
Italy 30008*
Japan 74247
operation 61081*
parts 74246*
Germany 56130*
Great Britain 74218
hazards and safeguards 64954 92928 92937 18700* 21674* 21675* 38760* 47514*
Germany 56249*
Great Britain 64952
Netherlands 5823*
Puerto Rico 56240*
Sweden 21679*
USSR 83209*
Hungary 47519*
in forestry 10838 10848 35856 18700* 18747* 18760* 18761* 26743* 26757* 27015* 35669* 38777* 44626* 62042* 71368* 90064*
India 64789
industry 56076* 64959* 73999* 83210* 83216*
Italy 56247*
Japan 29999*
labor 23072* 66480* 94207*
lubrication 47456* 56236*
maintenance and repair 13311 56258 5822* 30005* 30007* 38773* 47942* 47493*
bibliographies 74198
Canada 47487
Germany 47506*
East Germany 47458* 56215*
Great Britain 5826
Netherlands 21670*
Republic of South Africa 29997 83180 83193
USSR 5815* 13306* 13322*
marketing 5813* 47495* 83191*
mountain areas 38752 73963* 74226* 83187*
operation 5816 5824 21673 38761 64942 64961 64962 83186 83198 83199 83201 92937 13308* 13317* 13417* 21667* 21668* 30003* 30006* 38767* 38771* 38776* 47357* 47485* 47490* 47491* 47496* 47513* 56239* 56250* 56251* 56254* 56256* 64940* 64941* 64946* 64958* 74200* 74223* 74231* 83182* 83189* 92748* 92953*
Finland 38770*
Germany 56249* 83214*
East Germany 74241*
Great Britain 64966
Illinois 38780
Japan 74225*
mountain areas 5808* 74237* 83212*
Netherlands 5823*
Sweden 92946 53520*
USSR 13305* 13327* 21676* 29865* 30000* 47501* 64957* 74194* 74197* 74220*

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Item

Tractors--Cont
parts 5819 5827 29992 56084 64942 83186 92928 5815* 13305* 13309* 13310* 21684* 30001* 30009* 38756* 38758* 38773* 38775* 38778* 47512* 47514* 47515* 47518* 56254* 64947* 74210* 74230* 83006* 83179* 83189* 92924* 92927*
power lift 21682* 21684* 21685*
power take-off 64970 56238* 74195* 74243* 92948*
prices 13312
purchasing 22994 29992 29993* 74211*
remote control 64948 64960 13310* 74197* 74216*
Republic of South Africa 83184
research
statistical methods 5821
Rumania 21683*
seats 47521* 92926*
second-hand 74215*
situation and outlook 64969 83205 83208 83207*
standardization 13316 21686* 30011* 92949*
statistics 74248
France 83191*
Germany 64949* 64955*
Italy 73996*
Peru 74229*
Poland 83195*
storage 65030*
study and teaching 47498*
Sweden 30018*
Taiwan 83056
tests 47293 21665* 29993* 30020* 74203* 74238*
Australia 13325
Czechoslovakia 47496*
Germany
East Germany 92921*
Great Britain 64950
Italy 29995* 83185*
Japan 30014* 30016* 74223*
USSR 74219* 83209* 92920*
types 30015 47510 13328* 13417* 21678* 29896* 30012* 38754* 56255* 74245* 83211* 92929*
Germany 38755* 38757* 56133* 64941* 74222* 74235* 83190* 94207*
East Germany 56250*
Great Britain 56237
Hungary 56261* 64939*
Italy 92939*
Japan 30013* 47303* 83060*
Norway 13315* 56238*
Puerto Rico 56241*
Sweden 92946 26743*
Switzerland 74237* 83212*
Uganda 83183
USSR 74231*
USSR 5683* 38765* 47500* 64967* 83196* 83204* 92933*
utilization
Georgia 92940
Italy 83057* 92939*
Japan 83060* 92775*
Republic of South Africa 83193
Southern States 44774
Spain 83207*
Sweden 38777*
Switzerland 89847*

Item

Tractors--Cont
utilization--cont
Taiwan 26373*
USSR 47507*
SEE ALSO Logs, hauling, by tractor; Machine tractor stations; Repair and technical stations; names of parts; and UNDER Fuels

Trade
Africa 7873
agreements and treaties 32390 40975 40985 58284 58305 76560 76562 76580 94764 94785 41007* 58278* 67052*
Algeria 7854* 49627*
Argentina 57819
Asia 41027
associations 32369 32405*
Australia 23607 32375
Austria 67093 49586* 49617*
Belgium 15352 67073* 94743* 94756* 94761*
British Commonwealth 15397*
Canada 7850 15382 40260 94799
Ceylon 15394
Chile 49626
China 49597
Colombia 94173*
conferences and congresses 32353*
Congo 67073*
Cuba 15410 76575
Denmark 23592 66335 67028 7384* 14832* 15359* 15375* 23602* 32355* 40991* 58249* 76505*
developing areas 76536 76549 76566 76572 85961 94781 15366* 41010*
directories 40970 76574 76558* 86021* 94796*
Europe 15369 41027 58250 67056 94783 7858* 15357* 15397* 23605* 32352* 32381* 85988*
European Economic Community 7894 7901 67047 67094 76538 85983 94329 23628* 32367* 41010* 49604* 76530*
European Free Trade area 49604*
foreign 7846 7850 7891 15356 15364 15386 15395 15406 23590 23596 23611 23612 23623 23633 23638 32361 32362 32374 32387 32406 40957 40998 41027 41029 49587 49588 49608 49616 49619 49620 49626 49636 49639 58247 58251 58256 58281 58282 58302 67031 67032 67056 67068 67081 67089 67092 67095 67097 76507 76515 76523 76531 76534 76536 76546—76549 76552 76566 76572 76577 85959 85960 85969 85998 85999 86029 94758 94783 94789 94793 94794 94799 49607*
France 15366* 49627* 76553*
French Overseas Territories 30121*

Item

Trade--Cont
Germany 23624* 23628* 40964* 49604*
East Germany 67054
Great Britain 7901 15388 23586 23595 23607 58271 67094 76527 76528 94754 7563* 14832* 32368* 67039* 86011*
Honduras 85351
India 7899 15352 15382 15394 15395 15407 23595 23617 23638 40992 58281 76557 94132
Indonesia 15383
international 7895 7915 15367 23586 32409 32410 32412 32417 58246 66916 67091 76508 76510 76564 85991 86027 94792 7900* 32360* 32400* 41010* 49586* 49617* 66574*
Ireland 40990 41009 94779
Italy 86011* 94748*
Japan 7874 23590 94794 94776*
Latin America 15386 49619 58302
legislation 7922 49610 67030 67075 76523
Liberia 15396*
Luxembourg 32399* 67073*
Netherlands 15358 94343
New Zealand 73075 94770 94780 94781
Norway 7900* 67053*
Paraguay 40505
Peru 23623
Philippines 41003 85964
Poland 15374* 94782*
policies and programs 7868 7874 7875 7893 7920 7921 15368 15378 23640 32380 32395 40979 41013 41021 49589 49598 49601 49632 49634 49638 49646 58256 58268—58270 58273 58277 58296 67065 67071 67102 76517 76524 76575 94744 94789 32356* 32376*
Australia 32387
Belgium 94795*
Canada 15355
Ceylon 76516
Colombia 32385*
developing areas 41008 67101 85972
Europe 23643* 49582*
Ireland 23593
Italy 7911 23633 93057* 94753*
Japan 49595
Latin America 58282
Puerto Rico 86029
Republic of South Africa 15364 41039*
situation and outlook 15369 32363 32377 21812*
Australia 67063
Canada 58294
Israel 49624
New Zealand 67063
Spain 66499* 85414*
statistics 15367 32410 40957 41028 49622 49636 49637 58295 67094 76576 76577 86027 86028 94793
Aden Protectorate 15348 67027
Afghanistan 94745

Item

Trade--Cont
statistics--cont
Algeria 7843* 32346*
Angola 7844* 23582* 76504*
Argentina 23583*
Australia 6066 40959 40960
Austria 67029* 76506* 85956*
Belgium 23619
Bolivia 7851*
Brazil 94751*
Canada 15356 41025 76514 85962
China 41019
Colombia 40966
Costa Rica 86030 23594* 39083*
Cyprus 15361
Denmark 7859*
Ecuador 21875*
Ethiopia 32364
Europe 76545
Fiji 40971
France 41026 7866* 49642* 94757*
Gambia 49593
Germany 7870* 30319* 32401* 40976* 40977* 49594* 58258* 94759*
East Germany 30323*
Great Britain 15356 40981 86032
Grenada 7871
Honduras 15373*
Indonesia 86031
Iran 40988
Iraq 7878
Ireland 40989
Israel 58263 85985 85986
Italy 23619
Jamaica 76532 76533
Japan 58265*
Kenya 7862
Latin America 13596*
Lebanon 76541*
Liberia 49606 76542 85990
Libya 15379 94765
Luxembourg 23619
Malaya 85994
Mexico 49609*
Netherlands 32398*
Netherlands Antilles 86000*
New Zealand 7898 23618 94775
Northern Ireland 32392
Norway 32393* 49611*
Papua and New Guinea 86004
Peru 32396*
Philippines 23620 67074 86006
Poland 49618*
Portugal 7903* 21908* 67076* 86007*
Republic of South Africa 15405 23622 58276 86009
Rhodesia and Nyasaland 76559
Saint Vincent 86012
Santa Lucia 15398
Sierra Leone 32403
Spain 76567* 94747*
Sweden 23619 41018*
Switzerland 49633* 86022* 86023*
Tanganyika 7862
Thailand 15402
Togo 49635*
Trinidad and Tobago 23637
Turkey 23619 15404* 32407* 41023* 41024* 76573*

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Item

Trade--Cont
statistics--cont
Uganda 7862
USSR 58255 7918* 41005* 86026* 93135* 94791*
United Arab Republic 7919
Venezuela 65277*
Yugoslavia 7927* 15411* 15412* 39112* 94800*
Zanzibar 86035
subsidies 85467 94344 49582* 58261*
Sweden 23635*
Switzerland 67086
terminology 7897*
Tunisia 32408*
USSR 15407 49584 76525*
USSR bloc 94148 76525*
Venezuela 23596 23615 94774
Vietnam 49011*
SEE ALSO Barter; Customs unions; European Common Market; European Free Trade Association; Tariff; and UNDER specific subjects
Trade Expansion Act of 1962 67030 67075 76523 76531
Tradescantia
cytology 841 16404 24680 42246 50810 68463 68371*
genetics 68463
morphology 24551
pollen 24940 77472
Tradescantia blossfeldiana 33701*
Tradescantia fluminensis 51042 87267 33701* 34044* 87311*
Tradescantia paludosa 24663 33600 33813
Tradescantia zebrina SEE Zebrina pendula
Trading in futures SEE Futures trading
Trading stamps 83444
Traffic 47265* 83214*
Tragacanth SEE Gum tragacanth
Tragardhula 29297*
Tragia 76953
Tragopogon SEE Salsify
Trailers 5719 38751 47489 92918 56256* 83187* 92948*
Czechoslovakia 56257* 74202* 74232* 83213*
Germany 74204 38764*
hazards and safeguards 47514*
Japan 38763*
Netherlands 21669*
parts 47514*
standardization 74250*
Switzerland 64971*
types 5814 47516* 74224* 83218*
Trametes 8499*
Trametes pini SEE Fomes pini
Trametes racidiperda SEE Fomes annosus
Tranquilizers SEE Sedation; and names of sedatives
Transaminase
in animal physiology 12111 36591* 79859*
in blood 20482 27325 45761 36600*
in insect physiology 29228*
in plants 9313 16946 16957 51559 43024 88220 25201* 88149*
Trans-European Express Merchandise 65135

Item

Transferrin 19654 27736 71954
Transhumance SEE UNDER Livestock and names of animals
Transhydrogenase 88168 88179 42983*
Transit tetanus 3469*
Transmethylase 1400
Transoximase 55628
Transportation 83386
bibliographies 5969
by rail 5964 38970 83381 93075 74466* 94509*
by truck 13461 38928 47697 65728
by water 21830 30211 30212 74474 7866* 94751*
Canada 83387 83403
cooperative 30165 30207 65114
costs 73950* 93064* 93080*
equipment 5820* 30012* 47517*
European Economic Community 30162*
France 93060*
Germany 15181* 56390*
East Germany 21821* 47707*
Ghana 83446
interstate 6681
labor 66466*
legislation 30206
Netherlands 30197*
on the farm 56260* 73950*
Czechoslovakia 56253* 74002* 74202* 74212* 74239* 74244* 74255* 83213*
Germany 56252*
East Germany 74227* 74236*
Netherlands 5820*
Poland 74221*
Rumania 74201*
USSR 13262* 73993* 74213* 92923* 92933*
Yugoslavia 74233*
policies and programs 30174
refrigeration 6384 30159 39306 39324 47688 65118 65738 74463 13483* 83440*
Europe 65142
France 30277* 65115*
Germany 83414*
Italy 93063*
USSR 65121* 66015* 74466*
regulation 13461
research
linear programming 13469*
statistics 7898 40959 40989 74474 32398*
study and teaching 30198
USSR 83410*
SEE ALSO Containerization; Freight rates; and UNDER names of commodities
Trapa natans 34917 9851* 25968* 48442*
Trapex SEE Methyl isothiocyanate
Traps SEE Baits and traps
Traubacarus brachypus 38044*
Traubacarus sinensis 38043*
Traumatic gastritis 62713
Traumatic pericarditis 19581 36657* 36684* 45645* 80446* 80462*
Traumatic reticulitis 62828 62887 91121 19924* 54447* 62836*

Item

Traumatic reticulitis--Cont
reviews 62925*
Traumatic reticuloperitonitis 3440 19907* 62755* 62818* 91099*
Traunsteinera globosa 25706*
Treated Grain Act (New Jersey) 57154
Treaties SEE Trade, agreements and treaties; and SUBHEAD agreements UNDER specific subjects
Trechiama 82337
Trechidae SEE Carabidae
Trechinae 73603*
Trechnites 47076*
Trechus 73622 73611* 82094*
Trechus delhermi dayremi 64387*
Trechus (Epaphius) 82338
Trechus fulvus 73631*
Tree farms 70970
associations 2596
Australia 61826
Canada 18678
costs and returns 2606
Louisiana 10614 71003
management 18709 44611 44622 45042
taxation 35645
Tree ties 83049
Treefern SEE Alsophila; Cyathea
Treehoppers SEE Membracidae
Trees
abnormalities 87377*
Africa 50064
age 18827 53730 2636* 2653* 10666* 35732* 53243* 64085* 71246*
anatomy and physiology 1297 9033 16504 16717 16799 16808 16856 25146 33821 44781 51045 51151 51153 51296 51305 51308 51394 51407 51437 53730 61812 61933 61997 68595 68653 73519 87998 2640* 9219* 10692* 16508* 18782* 19070* 24532* 24856* 25066* 26884* 34185* 34244* 42618* 42679* 51156* 51241* 59391* 59982* 59985* 60028* 60142* 60150* 68413* 68574* 68773* 68872* 68935* 68952* 69107* 69155* 71137* 71144* 71156* 71304* 87496* 87517* 87741* 90134*
reviews 51246 8956*
Arkansas 147
Australia 109 15742 58645
Austria 8222*
biochemistry 43031 51472 26884* 51486* 69200* 69226*
breeding 35786 53363 53367 53382 53390 53409 61943 61972 71258 79533 90186 18982* 35813* 69944*
bibliographies 79300
Canada 10793 79302
conferences and congresses 61931 61953 71230 71245 79329
Czechoslovakia 53419* 71286*
Europe 71295
Finland 53401*
Germany
East Germany 26869* 90170*

Item

Trees--Cont
breeding--cont
Great Britain 61891
Italy 35780* 35809*
Korea 79325
North Carolina 90223
policies and programs 44798 71182
Southern States 18985 61885 61889 61911
Sweden 71092* 79270* 90181*
USSR 61966 71250 44802* 61940* 61963*
Yugoslavia 79267*
California 151
China 79610 32733*
climbing 26915* 53308*
control
chemical 18921 29922 35855 53335 71136 71162 44771*
crowns 2634 12627 26794 71610 79169 90080 19113* 26766* 35705*
cytology 44790*
Czechoslovakia 50029*
disease resistance 18985 53363 53382 53409
diseases 312 8385 33055 50183 61978 8368*
California 71308 77033
Canada 15883 50212 58877 77035 86689
control 9033 15882 15917 17222 18941 58822 67720
California 58878
Czechoslovakia 67706* 86615*
France 50191*
Rumania 41587*
Southern States 15890 50184 50190 50195 58846
Wisconsin 50252
Eastern States 50185
Greece 33069
Michigan 24151
New Jersey 33046
New York 8391 58901
Rumania 33050*
Southern States 15903 24109
Turkey 33069
drought resistance 16829*
dwarf 1297 1805 60847*
Estonia 15792*
Ethiopia 45133*
felling SEE Logging; and SUBHEAD harvesting UNDER names and classes of trees
fossil SEE Paleobotany
France 23988*
fungus diseases 501 509 8495 33150 50267 50382 50418*
California 50264 50265
Canada 414
control 33337 16087* 86899*
Czechoslovakia 77095*
Germany 8557*
Great Britain 463
Poland 67855*
USSR 16099* 81881*
Czechoslovakia 24259*
Germany 50401*
Great Britain 8449
Hungary 86822*
India 15851
Japan 41574
Poland 33239 24272* 50362*
Rumania 67890*
USSR 24349* 41889*

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Item

Trees--Cont
genetics 26934 53431 53434 61891 61933 71254 79325 90186 18926* 26898* 44790* 44835* 79343*
bibliographies 62154 79300
statistical methods 61893 44848* 79341*
germination 18978 26872 26881 10761* 18961* 35799* 61945* 71267* 79334*
Ghana 50046
girdling 20909 44779 53335
Great Britain 86453
growth 21 2654 2656 2706 10661 18792 58486 62247 71308 71610 90085 90117 18810* 18846* 26817* 35723* 53279* 61770* 71067* 79369* 90092* 90106* 90174*
Arkansas 10753
bibliographies 11137
Great Britain 53285
Minnesota 2580
Nigeria 18858
Philippines 53245 90094
reviews 53705*
Rhode Island 10638
USSR 61856* 90110* 90114* 90155*
hardiness 8878 35786 9145* 10802* 68574* 69017* 71304*
history 70941 79057
Hungary 50048*
hybrids 26852* 64179*
identification 2632 26794 50026 86444
Canada 79169
Congo 61735*
Japan 32829*
Wyoming 158
in art 67306
India 35081
injuries 8355 71299 19033* 26937* 26944* 35844* 61984* 79372*
Austria 71305*
Netherlands 19038*
New Jersey 33046
Pennsylvania 41584
Southern States 55561
Uganda 81870
Yugoslavia 81902*
introduction 23992 61930*
Bulgaria 61822*
China 44840*
Ethiopia 35724
Europe 52047*
France 44713*
Germany 10771*
Great Britain 86453
Japan 76841*
Pacific Northwest 71122
Pakistan 71155
USSR 8255* 18855* 26835* 44727* 59982* 71107* 79211*
Japan 15760*
killing SEE Trees, control
Maine 32812
Malaya 27198
marking 10975 53507 62022 62105 71391 53507 53182* 53510*
measurement SEE Forests, mensuration
Middle Western States 67460
Missouri 50077
morphology 26772 53390 42233* 50773* 59391* 59392* 59548* 68413* 87323*

Item

Trees--Cont
mortality 2654 2706 10753 26947 71308 73359 2737*
names 15682 41406 70952 2989*
nematodes 16181*
nomenclature 58653 67460 52047*
North America 159
notable SEE Notable trees
nutritional deficiencies 8969 51079 71138*
Ohio 15721
Oregon 86444
ornamental SEE Ornamental trees
Paraguay 67478*
pest control 4756 20901 64080
biological 81877
Czechoslovakia 86615*
USSR 46662 55592* 64075*
Wisconsin 50252
pest resistance 18985 46659*
pests 312 55942 82213 29260* 47146*
Africa 29147
Canada 82549
Ceylon 55567
Illinois 73325
Japan 81890*
Latvia 38336*
Michigan 4754
Netherlands 12632*
Poland 46663*
surveys 73916*
Sweden 92400*
Turkey 46659*
USSR 55590 29158*
United Arab Republic 81884
plant parasites 50953 79232* 90147*
planting 26900*
equipment 2714 18938 10712* 13223* 18973* 19015* 19026* 35808* 35818* 79278* 79352*
Florida 18956
Germany 71165*
Hungary 26602*
Italy 79350*
Japan 53405*
Montana 18980
New Jersey 26709 35639
Rumania 71264*
Sweden 26846*
Washington 79317
USSR 87496*
Poland 32744*
pollen 18962 18961* 24952* 71187*
Portugal 8212*
propagation 18987 71292 26891*
by cuttings 79322 2737* 34184* 34185*
mist humidification 61902 44791*
by grafting and budding 50963 61915 61968*
provenance 10748 10749 26853 35781 44858 53367 53384 73360 79360 10780* 26861* 71189* 71259* 77663* 77748* 79343*
Australia 79290
Canada 2735 35825
France 8894*
Georgia 53377
Germany 53413 2756* 18929* 53383* 53411* 71279* 79353*
East Germany 10717*
Japan 90216 35843*

Item

Trees--Cont
provenance--cont
Louisiana 10714
Malaya 10796
Michigan 18928
Rumania 26887* 61919*
Scotland 90188
Southern States 61964 61970 71277
Sweden 10743*
Switzerland 61896* 71232*
USSR 26865* 61938*
West Virginia 2735
pruning 17467 26915* 61864*
equipment 79447*
Finland 18910*
Japan 53308*
study and teaching 51878
Western States 18919
rings 21 8171 11125 15667 18786 19334 41269 41276 58486 58562 67330 79612 86338 26799* 26951* 41295* 53731* 58547* 71069* 71073* 79625* 79626* 90471*
seed orchards 26867 53385 53431 61898 71208 71258 18965* 26908* 53408*
Canada 79344
Czechoslovakia 71285*
Georgia 16003 86761
Hungary 61925* 71235*
Norway 61944*
New York 71209
Rumania 71195*
USSR 26923* 61963* 79339*
Yugoslavia 79272*
seedlings 8495 10785 18938 18941 53366 53422 2726* 10766* 26900* 53406* 71264* 73270* 81889* 90174* 90201*
anatomy and physiology 10715 18978 79322 19028* 26926* 71246* 90208*
care and handling 18973*
Congo 61945*
Czechoslovakia 71282* 90178*
Finland 19022*
France 10769*
grading and standardization 2705 2713 10787*
Hungary 71205*
injuries 10755 53372 18936* 26864*
Italy 35791*
Japan 53405*
labeling 53411*
mortality 26892 53396
Oregon 53392
packing 2713 53364
quality 26920* 44836*
storage 10774*
trade 61897*
weed control 44745
weight and measurement 26903* 35835* 44816*
Yugoslavia 90236*
seeds 8878 26922 53367 79319 10736* 26862* 35818* 35826* 44859* 61930*
Canada 79302
certified 2758 44792 53415 35832*
Great Britain 26886
Poland 53357*
collecting 53410 61928 19000* 26878* 35792* 35816*

Item

Trees--Cont
seeds--cont
labeling 53411*
legislation 53415
losses 44824*
moisture 10783
New England States 2731
Norway 10760*
pests 2694 35778 4770*
properties 19027* 44818*
purchase and sale programs 90243*
purchasing 79273*
quality 2728* 18979*
regulation and inspection 10776* 18929* 35827* 53411*
storage 2734 18978 26863 61883 44824*
Sweden 90189*
tests 26871 26872 35799*
trade 19016*
treatment 18944 18971 71261 10761* 16099* 61945* 71269* 79334* 86899*
USSR 71250
viability 10754* 61904*
yields 35828 61898 71191 18982* 44828* 61834*
Yugoslavia 79267* 79271*
shade SEE Shade trees
size 18827 26796* 53243* 90092*
Southern States 50026 76936
spraying and dusting 33081 33337 64936*
street and roadside 8355 9711 33081
Australia 9787*
California 89001
India 43490
pest control 46667
planting 43462* 60792*
policies and programs 89004
pruning 43575
Switzerland 17448*
USSR 70200*
Sweden 50042*
Tanganyika 27203
taxonomy 27198 41406 50082 67478*
Tropics 50162
USSR 41348* 58663* 67406* 67472*
varieties 10753 69859
Virginia 86417
virus diseases 501
Washington 86444
West Africa 71477*
Yugoslavia 76941*
SEE ALSO Christmas trees; Coniferae; Forestry; Forests; Hardwoods; Nurseries, forest; Silviculture; Tree farms; Windbreaks; names of trees; and UNDER Greenhouse culture
Trees for Tomorrow 2541
Treetomatoes 42240* 78165*
Trehalase 38181 68484
Trehalose 16896 29421 29701 46705*
Trellises 17427 17458 13202* 69697*
Trema 90205
Trema orientalis 71085
Trema politoria 23949
Trematodes 27439
Trematolobelia 50665
Trematosphaeria 8284*
Trembles 4259*
Tremella 239

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Item

Tremellaceae 58814
Tremor 3671
Trentepohlia 38157
Trephionus chujoi 21118
Tretamine 8333 35161
Trewia nudiflora 71618
Trhypochthonius 29291
Triaenodes 64731 92662
Trialeurodes abutilonea 21279
Trialeurodes lubia 82529
Trialeurodes vaporariorum 82586 55524*
Triatoma 28884 5245* 20643*
  reviews 73182
Triatoma infestans 29526
  37529 4560* 20675*
  28922* 38321* 46383*
  47012*
Triatoma protracta 12433
  73160 92052
Triatoma sanguisuga 12402
Triatoma tibiamaculata 38312*
Triatoma vitticeps 38321*
Triatominae
  anatomy and physiology 29527
  and disease 12433 37565
  37564* 55319*
  California 28884 92052
  control 28922*
  ecology 38318*
  geographic distribution 37563*
  parasites 38296*
  rearing and breeding 47023*
Triazine 17749 17812 25897
  25951 34132 34990
  42495 43720 43768
  70075 89252* 89355*
s-Triazine 1949 25947
Triazine compounds 17671
  34986 43696 87429
  89309
sym-Triazinetriol SEE Cyanuric acid
Tribalus minutulus 64388*
Tribasodema n g 29368*
Tribatus 21087*
Triboliocystis garnhami 73654
Tribolium 12830 38093
  46865 55714 81861
  92387
Tribolium castaneum 55525
  55537 73654
  anatomy and physiology 5002 29374
  control 29122 37772
  63757
  eggs 5038
  genetics 38078
  rearing and breeding 5038
  research
    statistical methods 55713
Tribolium confusum
  anatomy and physiology 5002 46842 29343*
  control 4732 29122 37791
  81836 92213*
  disease 73654
  genetics 21140 46865
  73625
  larvae 38121
  nutrition 82235
  parasites 82344
  rearing and breeding 5041
  38081
  research
    statistical methods 55713
Tribolium destructor SEE Aphanotus destructor
Tribonema aequale 59498*
Tribulosis 62349
Tribulus terrestris 20580
  46149*
Tributyl phosphorotrithioite 66104
S,S,S-Tributylphosphorotrithioate 9021

Item

Tricarballylate 89556
Tricarballylate dehydrogenase 89556
Tricarballylic acid 51319
Tricarboxylic acid SEE Tricarballylic acid
Tricentrus 55855 64492
Trichaitrophous 29565 47047
Trichaltica 82215*
Tricheurymerus SEE Eurymerus (Tricheurymerus)
Trichilia 67415 86397*
Trichilia emetica 79108
Trichilia roka SEE Trichilia emetica
Trichinae 84693*
Trichinella 45311* 53840*
  93855*
Trichinella spiralis 55145
  63626 66055 80684
  46281* 90765* 93852*
  93856*
  reviews 71797
Trichinellosis SEE Trichinosis
Trichinomyia n g 38244*
Trichinoscopes 73026 73040
  6970* 57273* 79842*
Trichinosis 79955 4238*
  90765*
  cats 27977*
  conferences and congresses 71779 45290*
  control 71790
  Czechoslovakia 71821
  diagnosis 53840*
  dogs 72315*
    reviews 71797
  foxes 36330* 46233* 91284*
  fur-bearing animals 72371*
  hamsters 3799 80684
  Iowa 79955
  Italy 53929*
  Kenya 71809
  man 84751*
  mice 54671* 72448*
  rabbits 80950 72448*
  swine 55145 66055 71797
    4265* 46281* 84693*
    91909*
    Canada 4248
    diagnosis 73040
    Indonesia 72315*
    Iowa 63681
    Italy 46233*
    Poland 55110* 55111*
    73020*
    Thailand 63626
    transmission 63681
    73026 55064*
  Switzerland 45286*
  transmission 36330* 45311*
  USSR 71791*
  Venezuela 62422*
Trichiocampus viminalis 38366*
Trichius fasciatus 4981 29339
  73643
Trichloroacetic acid SEE TCA
2,3,6-Trichlorobenzoic acid SEE 2,3,6-TBA
2,2,2-Trichloroethanediol-1,1 alkoxy methyl alkyl esters 73094*
Trichlorometaphos-3 81499*
  81638*
Trichloromethyl arylsulfide 50404*
N-Trichloromethylthio analogues 67900
Trichlorophenol 62086*
2,4-5-Trichlorophenol 58829
2-(2,4,5-Trichlorophenoxy) propionic acid SEE Silvex
2,4,5-Trichlorophenoxyacetic acid SEE 2,4,5-T
alpha, alpha, alpha-Trichlorotoluene SEE Benzotrichloride

Item

Trichlorphon SEE Dipterex
Trichobius 20674
Trichobius corynorhini 92477
Trichobius major 92477
Trichobius sphaeronotus 92477
Trichobothria 21078
Trichocarabodes n g 29283
Trichocephalosis SEE Whipworms
Trichocera 29410 55788
Trichochrous 82271
Trichoclusia n g 64457
Trichocolea tomentella 67536*
Trichoderma 44006* 61205*
  77103*
Trichoderma lignorum 3091*
  8571*
Trichoderma viride 410
Trichodiadema 67418
Trichodiboma n g 46817*
Trichodopeostus 21482
Trichodorus christiei 8644
  42065 77286
Trichodorus pachydermus 77255
Trichogmoma n g 92347*
Trichogramma 5318* 38385*
  63961* 63983* 73269*
  92145*
Trichogramma embryophagum 55511*
Trichogramma embryophagum cacoeciae 29106*
Trichogramma evanescens 28949* 81657*
Trichogramma evanescens minutum SEE Trichogramma minutum
Trichogramma minutum 82696
  82714
Tricholoma 41542 68971*
Tricholoma aggregatum 32975*
Tricholoma conglobatum 32975*
Tricholoma gambosum 67628*
Tricholoma imbricatum 67892*
Tricholoma nudum 77795
Tricholoma sejunctum 86585*
Tricholomopsis 41542
Trichomalus lonchaeae 47074
Trichomonas 12232 28644
  36338 55112 12268*
  12299* 37014*
Trichomonas caballi 20069
Trichomonas fetus 80315
  27831* 36313* 36315*
  37412* 45371* 45571*
  45596* 53922*
Trichomonas gallinarum 37094
Trichomoniasis 45371*
  cattle 28705 45643 80315
  27891* 45571* 54454*
  62712* 80346*
    Australia 3522
    control 62812*
    diagnosis 3572* 19867*
    45596*
    Poland 27739*
    treatment 27831* 27887*
    45577* 80281*
    Yugoslavia 91013*
  diagnosis 27447
  dogs 91191
  horses 20069
  man 32214
  poultry 37014* 37094*
  sheep 54454*
  swine 12232 28644 28684
  28705 55112 12299*
  28712* 37412* 54454*
Trichomyia 64443
Trichoncus hackmani 73551
Trichoniscidae 82193*
Trichonitocris n g 82225*
Trichoparia 21211*
Trichophorus 82263*
Trichophyton 72185*
Trichophyton discoides 54428*
Trichophyton infections SEE Ringworm

Item

Trichophyton mentagrophytes 28074 79810
Trichophyton verrucosum 28856*
Trichoplusia ni 82736*
  as pests 28981
  control 81633
    biological 4623 4653
    12472 63893 29016*
    tests 20602 29039
  diseases 47160
  India 4608
  parasites 12495
Trichopria commoda 5309
Trichopsychoda 29481 64444
Trichoptera
  Africa 29796*
  anatomy and physiology 47254* 64730*
  as pests 46369
  Bulgaria 21514
  Canada 13099
  Cape Verde Islands 47255
  Caucasus 13085*
  collections 64742*
  Czechoslovakia 5616*
  Denmark 29803*
  ecology 29793* 82864*
  Eastern States 64736
  Europe 5656*
  food and host plants 92660*
  Great Britain 5618 82879
  habits and behavior 73898
  56030*
  larvae 5593 5611— 5613
  13071 13078 38565
  56037 73898 73899
  82861 92647 82864*
  47251*
    anatomy and physiology 5651 21477 73899
    73912 82910 92657
    29790* 47231* 56040*
    parasites 21481 38557
  Michigan 82868
  Nearctic Region 47247
  Netherlands New Guinea 64731
  nomenclature 21492 56026
  82863
  North America 13099
  Pakistan 47258*
  Rumania 21479*
  taxonomy 5593 13071
  29785 56020 56023
  64731 92662 47251*
  types 5617 56022
Trichoribatula n g 29283
Trichosanthes 89175
Trichoscarta 82534*
Trichoscyphella 32958
Trichoseptoria 8305*
Trichosetodes 92662
Trichosolen 41522
Trichosteleum 8268
Trichostomum cuspidatissimum 816*
Trichostrongylosis
  cattle 27691 80249 72128*
  control 53964*
  ducks 46055*
  ruminants 79756 90618*
  sheep 28501 37238 81122
  4119* 46141* 46160*
Trichostrongylus 53964*
Trichostrongylus axei 37238
  81122
Trichostrongylus colubriformis 28501
Trichostrongylus longispicularis 80326
Trichostrongylus tenuis 54813*
Trichotheca 21113
Trichothecin 41821 86735*
Trichothecium 90706*
Trichothecium roseum 16851*
Trichuriasis SEE Whipworms
Trichuris muris 80699
Trichuris trichiura 46278

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Item

Tricresyl phosphate 93907*
Tridax procumbens 59403
Tridemula 38358
Tridontomidae n fam 55689
Tridontomus n g 55689
Trielis 73771
Trielis (Australelis) n sgen 73771
Trienes 57349
Trietazine 17810 52170 56971
Triethanomelamine SEE Tretamine
Triethylenemelamine SEE Tretamine
Trifluomeprazine 28003
Trifluprom azine 3708 4128 20006 22027
Trifluralin 43783 52164 52278
Trifoliate oranges 60673* 69730* 87314*
  abnormalities 33671*
  anatomy and physiology 68555* 69103*
  biochemistry 16918
  hybrids 60662
  rootstocks 59138
  seeds 16918
Trifolium SEE Clover
Trifolium alexandrinum SEE Egyptian clover
Trifolium dubium SEE Suckling clover
Trifolium fragiferum SEE Strawberry clover
Trifolium hybridum SEE Alsike clover
Trifolium incarnatum SEE Crimson clover
Trifolium nigrescens SEE Ball clover
Trifolium occidentale 32757
Trifolium pratense SEE Red clover
Trifolium procumbens SEE Low hop clover
Trifolium repens SEE White clover
Trifolium resupinatum SEE Persian clover
Trifolium subterraneum SEE Subterranean clover
Trifolium squarrosum 42717*
Trifolium thalii 84584*
Triglochin gaspense 138
Triglycerides 13735 21265 83759 84788 88107 14473*
Triglyphus 92438*
Trigona amalthea 4702*
Trigona tataira 5298*
Trigonalidae 82646
Trigonella cretica 8729*
Trigonella foenum-graecum 28452 60163
Trigonelline 69178*
Trigonopsis variabilis 50797 50798 51559
Trigonostomum oedipus 92392*
Trihydroxyglutaric acid 57180* 65917*
Triiodobenzoic acid 16831
2,3,5-Triiodobenzoic acid 9046*
Triiodothyronine 12013 72438*
Trilepis pilosa 8982
Trillium 17414 67424
Trillium erectum 51354
Trillium grandiflorum 8732
Trimallena 55750
Trimeprazine 80533
Trimorus 64556
Trimorus ninus group 64556
Trinemurodes 29804*
Trinervitermes 29810 38583
Trinervitermes ebenarianus 73116

Item

Trinithignus n g 92514
Trinophylum cribratum 4985
Triodes victoriae 73837*
Triodia 71312
Triodonta castillana 82214*
Triodonta lajonquierei 82214*
Trionymus 12931 21275 92527
Tri-ortho-cresyl-phosphate 20565
Trioxys 92557*
Trioza 82530*
Trioza brassicae 92502*
Trioza tremblayi 92525*
Triparanol 72656
Triphenyl brominoethylene 3867*
Triphenyl tin acetate 22325*
2,3,5-Triphenyltetrazolium chloride SEE Tetrazolium compounds
Triphleba 82360
Triphora SEE Pogonia
Triphosphopyridine nucleotide SEE Codehydrogenases
Triplax 55716
Tripleurospermum 15782*
Tripleurospermum inodorum SEE Matricaria inodora
Triplochiton scleroxylon 71342*
Triplodus n g 46910*
Tripsacum 24606
Tripsacum laxum 24391
Triptognathus beckeri 38389*
Trirhabda attenuata 4994
Trirhabda pilosa 46313
Trisetum 15799* 42113*
Trisetum flavescens 88700*
Trismeria 76988
Trissemus 29368*
Tristania conferta 11057
Tri-States Oil Mill Superintendents Association 7113
Tristeza
  Aeglopsis 59178
  Afraegle 59178
  citrus 16141 42036 59119 59133 59142 59166 59172 59178 63993 64008 77227 59136*
  oranges 33371 42019
Triterpenes 1364 87537*
Triterpenoids 11057 11060 27144 42933 60336
Trithemis 21500 82897
Tritheon SEE 2-Acetamido-5-nitrothiazole
Trithiadol 20217*
Trithion SEE Carbophenothion
Triticum
  cytology 796 16403 42229*
  genetics 24766
  hybrids 24693 24694
  USSR 43120*
Triticum aestivum SEE Wheat
Triticum boeticum 67484*
Triticum carthlicum 77853*
Triticum dicoccum SEE Emmer
Triticum durum SEE Wheat
Triticum macha 24764
Triticum monococcum SEE Einkorn
Triticum palaeo-colchicum 51641*
Triticum spelta SEE Spelt
Triticum timopheevi SEE Timopheevi wheat
Triticum turgidum SEE Poulard wheat
Triticum vulgare SEE Wheat
Triticum zhukovskyi 69429*
Tritium 63061 39203* 59409*
Trivandrum Public Gardens 58516
Trivernolin 84807
Trixa 92478

Item

Trizodes n g 38490*
Trizone 53348
Trochalus 82260*
Trochodendron aralioides 68272* 87341*
Trochosa terricola 21004*
Trogidae 46869*
Trogiidae 38560
Troglopedetes 5646*
Troglopedetina 5646*
Troglophilus neglectus 47216*
Trogoderma afrum SEE Trogoderma granarium afrum
Trogoderma granarium 55550
  anatomy and physiology 73597
  control 4722 46612 81858
  genetics 73641
  larvae 73597
  Sudan 73346
Trogoderma granarium afrum 82280—82282
Trogoderma granarium granarium 82281 82282
Trogoderma irroratum 82281
Trogoderma khapra SEE Trogoderma granarium
Trogoderma ornatum 4832
Trogoderma parabile 81426
Trogomorpha 47084
Trollius 9765*
Trollius asiaticus 75794*
Trollius europaeus 24665*
Trombicula 29280 29297*
Trombicula akamushi 4575 37524* 37525*
Trombicula deliensis 4575 37524* 37525* 46809*
Trombicula (Microtrombicula) 29280
Trombicula pallida 37513*
Trombicula splendens 46382 82133
Trombiculidae
  Africa 29280 29281
  anatomy and physiology 29314 38031* 38034* 38060*
  and disease 4575
  as parasites 21035 21036
  China 38015* 38043* 38044* 46809*
  collecting and preserving 4970 64291*
  control 28929
  ecology 29292 38035*
  habits and behavior 46382
  hosts 20661 21082 73570 55684*
  nutrition 37525*
  rearing and breeding 82133
  taxonomy 55691 82173*
  USSR 64301* 73576*
Trombidiformes 21046 82144*
Trombidiidae 46781 64308 73553
Trombidium akamushi 21044 73547
Trombidium tinctorum 46794
Tropaeolum 55520 77560
Tropaeolum majus 87264*
Tropaeolum tuberosum 12193
Trophallaxis 38416*
Trophodeinus 82360
Tropical woods 19274 71361 71609 71564* 71565* 79422*
Tropiderinus 46910*
Tropidopola cylindrica 38543*
Tropilaelaps n g 64281
Tropimeris 47067
Tropine 34290
Tropism 1022 16776 16794 34065 68861 77628 87693 42570*
  reviews 59913*
  SEE ALSO Geotropism; Phototropism

Item

Tropisternus lateralis 81406
Tropistethus 82538
Tropistethus holosericeus 55869
Tropolone 90435*
Truck farms 6624
  Bulgaria 76194*
  Florida 48288
  India 66655
  Japan 23284*
  Poland 14993*
  USSR 14972* 15013* 23239* 31959* 40610* 57975* 65838* 76210* 85538*
  Wisconsin 23241
Trucks 56262
  Canada 26987
  Germany 83217*
  in pest control 73388
  leasing 39954 47854 65460*
  legislation 30553
  refrigerator 56697 83413 39684*
  directories 5977
  tank 13806 39308* 39323* 56785* 74805* 93346*
  sanitation 65438 74138
  SEE ALSO SUBHEAD by truck UNDER Transportation; and SUBHEAD transportation UNDER specific subjects
True bugs SEE Heteroptera
Truffles 34932
Trummer A 94908*
Trummer F X 34686*
Trupaflavine SEE Acriflavine
Trusts SEE Monopolies
Trutta G B 54014*
Trybliographa 29593*
Trybomiella 92649*
Trychosis 38417
Trypan blue 80556 91489
Trypanochalcis SEE Acanthochalcis (Trypanochalcis)
Trypanosoma 12394 36441 92031
Trypanosoma brucei 54863
Trypanosoma congolense 45555 81579 91324 19915*
Trypanosoma cruzi 4836 12433 28884 4560* 37563*
Trypanosoma evansi 53884
Trypanosoma gambiense 37571 92028
Trypanosoma rhodesiense 4491
Trypanosoma rotatorium 81451
Trypanosoma simiae 46238
Trypanosoma theileri 80302
Trypanosoma vivax 81579 19915*
Trypanosomatidae 12905 46970
Trypanosomiasis
  camels 53884
  cattle 20645 36441 45555
  Ireland 80302
  Rwanda-Burundi 81456*
  treatment 11562 62890 80291 19915* 27849*
  control 11336*
  East Africa 20632
  horses 72406*
  immunization 54013
  man 4534 81485 81528 20657*
  Nigeria 81528
  prevention 19590*
  rabbits 54863
  reviews 73182
  swine 46238

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Item

Trypanosomiasis--Cont
transmission 28871 37571 81485 81606 92028 28883* 81456*
treatment 36252 19590* 27466
West Africa
Trypetidae SEE Tephritidae
Tryphlocybidae 92524*
Tryphoninae 92552
Trypodendron lineatum 29351 55558 64332 73387*
Trypoxylon 55891 55911 55899*
Trypoxylon backi 64568
Trypoxylon frigidum 64568
Trypoxylon tridentatum 82628
Trypsin 93895
chemistry 31338
effects on collagen 14348* 39923*
effects on meat 48641*
in animal physiology 53994* 54679*
in feed 3865 28188 30697
in flour 14300
in food products 74418*
in insect physiology 82831
in plants 42963 88243
Tryptamine 42580 48142
Tryptophan
in animal physiology 63386* 80373*
in fibers 30828* 75004*
in human nutrition 49671*
in plants 8971 43047 51577 69245 88130 34293*
in poultry nutrition 28194 3927*
Tryptophan hydroxylase 60284
Tryptophan synthetase 16983 25262 88186
Tsadocydnus n g 82567*
Tsadocydnus franzi 82567*
Tschermak-Seysenegg E von 49795* 86225*
Tsentral'naya Geneticheskaya Laboratoriya im I V Michurina 51897*
Tsentral'naya Nauchnaya Sel'skokhozyaistvennaya Biblioteka
Leningradskoe Otdelenie 66898*
Tsetse flies SEE Glossina
TSH SEE Thyrotropin
Tshingisella 82538
Tsinzerling Yu D 86178*
Tsuga 35758 46661 77337 43474* 78105*
Tsuga canadensis 44806 53737 59773
Tsuga heterophylla
culture 18766
Germany 8200*
injuries 53436
measurement 90083
pests 55589
planting 19006
pulpwood 2913 11029 71100
wood 19321 27040 27142 36022 36148 79478 79619 90492
Tsuga mertensiana 27142
Tsutsugamushi disease 4575 37513* 38031* 38034* 38035* 38060*
TTC SEE Tetrazolium compounds
Tubaria 41542
Tubbichthonius 82126
Tuber SEE Truffles
Tuber flea beetle SEE Epitrix tuberis
Tuberales 50128 77014 67587*

Item

Tuberculin 54409 54372* 62894* 71778* 72087* 79890* 80275* 80430* 90993*
Tuberculin test 45374 71869 62353*
cattle 11691 19897 19914 36609 80336 91055 3458* 3598* 11633* 27734* 27810* 27898* 36560* 36628* 36692* 45651* 54463* 54372* 62894* 62899* 72087* 72141* 72181* 80235* 80264* 80275* 80383* 80430* 90960* 90993* 91036*
dogs 80558*
guinea pigs 28157
horses 63151*
laboratory animals 45859*
poultry 63291* 80896*
swine 28657*
Tuberculina 86549*
Tuberculosis 3111 79938 90695 54032*
buffaloes 3434
cats 91222 91189*
cattle 11542 54028 54318 80360 90718 91127 11602* 27810* 27814* 45679* 54287* 54301* 54333* 62353* 71831* 72152* 80422* 80463*
Albania 54344*
causes 54360 19882* 45559* 54423*
control 36639 54413* 54418* 62859* 62884* 80402* 91006*
Albania 36617*
Austria 27737*
Belgium 54290*
Czechoslovakia 54327* 62711* 62816* 80307* 80330* 80333* 80403* 80432* 80436*
France 80282*
Germany 54463* 72239* 91070*
East Germany 62884*
Italy 3525* 36635* 45688* 62832* 80234* 90978*
mountain areas 62796*
Netherlands 45705*
Switzerland 19887*
USSR 91084*
Venezuela 62353*
Czechoslovakia 62894* 80389*
diagnosis 11632 27897 36609 36734 91055 3458* 19778* 27898* 36560* 36658* 45652* 45687* 54372* 80235* 80263* 80264* 80402* 91027*
Germany 19882*
East Germany 72175*
eradication 3559 91059 80310* 80328* 80388*
France 45578* 45638* 45639*
Hungary 54439*
immunization 36549* 91006*
Italy 3595* 3596* 45628* 90987*
New York 80319
Northern Ireland 72203
prevention 19833* 27805* 54273* 54340* 80325*
France 27712*
Germany
East Germany 62843*

Item

Tuberculosis--Cont
cattle--cont
reviews 62814*
study and teaching 19871
transmission 54431 27784* 36656* 36693* 36721*
to dogs 80558*
to man 66909* 66933* 72183*
treatment 3490 19858 19782* 80383*
reviews 62881*
USSR 54398
causes 90647
control 36235* 79741*
diagnosis 45374 90763 3202* 19513* 53934* 62353* 79767*
dogs 91222
eradication 3166 11365 27897 79881 90704
horses 28127 90718 36898*
immunization 19561*
laboratory animals 3809*
man 36693* 36721*
causes 3163*
Czechoslovakia 66966*
Germany 66905*
East Germany 66909* 66928* 66937* 66971*
Hungary 66933*
poultry 3930 54028 91475 7162* 11973* 20204* 45982* 72606* 80851* 80876*
control 80402*
Denmark 54752*
diagnosis 80867 37078* 45967* 63291* 63314* 72683* 80402*
France 80808*
Germany 72605*
reviews 37052*
transmission 63296 36656* 37091* 54799* 80894*
treatment 28335*
Yugoslavia 54757*
prevention 19513*
statistics 11365
swine 54028 55140 90718 6962* 28657* 37091* 71831*
diagnosis 31290*
USSR 20528*
transmission 27458* 53875* 79958*
vaccines 3809* 19561*
wildlife 63296
Tuberose SEE Polianthes tuberosa
Tubeufia 32951*
Tuckey J K 23897
Tufford H H 58426
Tugaia SEE Deferunda (Tugaia)
Tuinbouwgids 17285*
Tulaikov N M 58429* 88279*
Tularemia 27372
beavers 54591 80590
dogs 45798*
sheep 4117
transmission 63821* 71830*
USSR 45375 37572*
Tulipa 17507
anatomy and physiology 59819 16569* 16643* 68874*
biochemistry 69192
breeding 25699* 89088*
collecting and preserving 15739
culture 17424 43551* 43551*
diseases 41679*
forcing 17537 16643*

Item

Tulipa--Cont
fungus diseases 24241* 33237*
germination 16569*
injuries 41705*
morphology 59618* 68240*
Netherlands 40220*
pest control 41679*
planting 17428* 43526*
pollination 16858*
soilless culture 59819
varieties
Great Britain 17520
Netherlands 17539 60794*
USSR 17551 60794*
virus diseases 41973 592* 593* 77264*
weed control 70087*
Tulipa greigi 769*
Tulipa wilsoniana 87324*
Tuliptree scale SEE Toumeyella liriodendri
Tullgren A 41176*
Tumiditarsus n g 5052*
Tumors
cats 11749 54571* 72356*
cattle 36613 54262 62760 3509* 27793* 62864*
dogs 3697 11772 28013 28046 28111 54552 54566 63014 63032 63057 91195 3681* 36796* 54511* 54571* 63064* 72304* 72356* 80534*
diagnosis 63052
treatment 54526 11743*
ducks 46043
horses 28111
insects 5088 5137 21232 29436 38162 38197 5571*
livestock 54008 62467 71725 90671 3105* 19432* 19444* 27387* 36285* 45366* 53979* 71796* 79870*
pigeons 20214
plants 758 925 8573 8931 9261 16100 16140 16161 20745 20795 50469 50509 50684 50882 51385 51478 55207 59377 60361 68261 8558* 42441* 42499* 50442* 50659* 69141* 86837* 86988* 86989* 86990*
reviews 77488
poultry 3906 20225 37019* 72616* 80832*
sheep 54951*
SEE ALSO types of tumors
Tundra 59333
Alaska 18154 18155
USSR 68115 4572* 8695* 26160* 61878* 73664* 78353* 78453* 89513*
Tung nuts 7051
Tung oil
analysis and composition 75593
chemistry 40038
industry 31345 75568
policies and programs 31334 31352
toxicity 7054
utilization 40035
Tung tree
culture 43869 89416
fungus diseases 16022 67941
hybrids 35078
pests 73290
propagation 52361

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Item

Tunga libis 64738
Tungsten 59802
Tunocaria n g 38519*
Tupelo SEE Nyssa
Tuponia 38354* 47056*
Tur 29297* 82145*
Turaniphytum n g 32724*
Turbidimetry 31368 47919
19526* 56649* 80217*
Turc's formula 78811*
Turf 1802 1814 67331
Canada 1787
conferences and congresses
25780 34836 43555
diseases 15886 24127
41642 67712
equipment 61471
fertilizers 10243 18302
26236 44288 52843
California 78567
Florida 60782
Great Britain 78429
78597
fungus diseases
Canada 33248
control 58974 67792
67926
Canada 33198
Florida 33196
Great Britain 77125
Oklahoma 86959
Southern States 67948
Washington 24239
injuries 25907 43914
43930 77069
irrigation 2443 35524
78806 78808 78903
equipment 78783
78797 78819 78856
78859 78879
Italy 52017*
management 2308 8955
25744 25790 34740
34761 34769 34779
34818 34840 41642
41721 43517 43518
52299 60853 61427
68848 68849 69882
69900 78119 78121
78429 89790 69806*
California 1831
Florida 60782
France 78108
New Zealand 89055
Oregon 1777
pest control 12604 20858
20861
pests 81825
planting 17474 25695
25726 25752 44305
soils 2308 26020 26028
43899 43914 44305
61101 61347 61408
61471 89735
spraying and dusting 33039
Texas 34702
USSR 12265 60738*
weed control 17638
17680 17702 17734
17797 25907 52163
52164 52167 52203
52228 52240 52276
52299 52310 70029
78225
Arkansas 25898
California 78237
Connecticut 52161
Great Britain 78198
Maine 25946
New York 78183
Washington 52331
yields 78597
SEE ALSO Grasses; Lawns
Turin Istituto Zootecnico e Caseario per il Piemonte 27501*
Turkestan Entomologicheskaya Stantsiya 46302*
Turkey cocks 3839 20121
72483

Item

Turkey eggs 3815 46062
costs and returns 32039
hatchability 20291 46077
80729 80858 91374
Turkey meat
consumer preferences 57423
consumption 7173 14558
40105 93995
contamination 84910
cookery 15454 23677
defects 14548
dressing 31436
flavor and odor 45902
freezing 75648
frozen 22761 31450
48861 57422
futures 84885
grading and standardization
14547 57423 75645
marketing 31454 40115
93987
packed 84889
packing 93965 93974
prices 75631
processing 12029 14556
31467
purchasing 22745
quality 3989 20286
22761 48842 93960
93961
sanitation 93974
situation and outlook 40123
storage 45902 93961
temperature 84889
Turkeys 3979 63366*
abnormalities 20135
accounting 23320
age 45940 57423
Australia 12046
breeding 20118 28181
54687 91361
Denmark 45872*
effects of age 3825
effects of feeding 3881
11919 20148 20178
45925 91447
effects of housing 13349
effects of light 3825
Germany
East Germany 63209*
Great Britain 91357
hybridization 72502
91372
Ireland 72472
research
statistical methods 72459
USSR 28185* 72474*
breeds 3812*
Beltsville Small White 20135
Bronze 46057*
Broad Breasted 45902
45925 46041 93960
Large White 80725
93960
broodiness 20301
carcasses 93958 93960
66175*
care 20118 20289 28381
80901 91583 28309*
conferences and congresses 91568
cooling 28381
cooperatives 31427
31466 31482 31611
costs and returns 23320
28181 32070 75631
85669 94506
desert areas 46059*
digestion 3971
disease resistance 11867
diseases 91503
egg production 3839
effects of breeding 3815
effects of drugs 20158
effects of feeding 20178
80729

Item

Turkeys--Cont
egg production--cont
effects of light 91605
seasonal 28374 37141
embryos 20178 45978
farms and ranches
Czechoslovakia 72738*
management 3844
7592 7626 21709
80921 80928 91447
Spain 80900*
feathering 3811
feed relationships 3848
3849 3879 20152
20306 72502 72510
91435 91440
feeding and nutrition 3847
5342 11999 20158
28193 28211 28212
36989 45927 72502
80775 91394 36981*
91433*
Belgium 63245*
deficiencies 11891
45903
equipment 21709
Mexico 91396*
pasture and range 3844
20193*
recent developments
45923 54704
restricted feeding 45925
USSR 28185* 72474*
fertility 3825 3881
45882 45886 45925
72459 72483 72719
91374
futures 31423 84886
genetics 3811 3815
11867 20128 45882
growth 20152 28378
72502 72600 91435
91433*
habits and behavior 46077
hatcheries 3915 37142
57443
hatching 46077 47326
72719
hearing 28332*
housing 5842 13349
21709 28378
hybrids 54693 80700
industry 7176 40105
45884
Great Britain 14544
Illinois 22773
Israel 14544
Minnesota 31477
regulation 14537
research
statistical methods 93966
Texas 20297
vertical integration
31443 31611 40093
57419
infectious diseases 28223
litter 20306 28362
losses 80901
marketing 31475 31479
66167 84875 93967
legislation 22741
84867 93986
Northern Ireland 48830
regulation 14560
meat production 3987
Ceylon 80905
Czechoslovakia 72738*
effects of breeding 45884
effects of feeding 3848
3879 45902 72510
80772
effects of temperature 20286
Northern Ireland 4004
parasites 46030*
pest control 73184
pests 73145 81487
4532*

Item

Turkeys--Cont
poisoning 20231 73184
80843 20193*
policies and programs 7147
prices 40100 84550
records and testing 12044
28384 37120 54858
research
linear programming 93993
respiratory diseases 28239
shelters 3844 54763
80901
situation and outlook 22747
31448 84890 93944
Great Britain 22752
Republic of South Africa 84550
Texas 31453 93953
91594
slaughtering 3989 12029
statistics 12045 28384
37142 48733 57443
surgery 37007 28332*
systems 4005 28377
91433*
battery 3839
colony and range 80907
80928
confinement 20306
virus diseases 80858
watering 37083
weight and measurement
20128 20176 45884
72459 72510 80725
SEE ALSO National Turkey Improvement Plan; Poults; Turkey cocks; names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products
Türkiye Cumhuriyeti Ziraat Bankasi 14718*
Turkmenothrips SEE Melanthrips (Turkmenothrips) n sgen
Turkmenskii Nauchno-Issledovatel'skii Institut Zemledeliya 67281*
Turmeric SEE Curcuma
Turner F J 85676
Turner J B 32526
Turnera 156
Turnip aphid SEE Rhopalosiphum pseudobrassicae
Turnip greens 61337 69917
Turnips
anatomy and physiology
8995 42857*
breeding 25457
costs and returns 15092
culture 89152 34497*
60520*
diseases 86607
forage plant 60520* 60539*
genetics 42340*
germination 4658 51344
92117
harvesting 21616
marketing 39726
mechanization 13124*
pest control 4659 55395
92118 63894*
pests 55427
planting 17632 52105
64850 25865*
pollen 69117*
prices 39726
processed 84311
properties 28780
quality 35367
seeds 4658 4659
92117 34165* 63894*
soils 35367
storage 14181
thinning 38670 64850
trade
Canada 85997

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Item

Turnips--Cont
varieties 25457 42340* 69906*
virus diseases 545 16142 68017 77233 87031 24410* 87027* 87081*
transmission 55427
weed control 35030 89389
yields 35367 60520*
Turpentine 19290 11062* 36046* 71547* 72447*
analysis and composition 11059 62179*
effects on plants 87735*
in fiberboard processing 36094* 45098*
situation and outlook 27155*
statistics 2957 71554
Turpinia 136
Turraea 41353*
Turrill W B 49842
Turtle eggs 32479*
Turtles 81571
Tussilago farfara 42507* 43759* 52250* 58719* 78224*
Tuzibeanthus 24052
Tween 20 89403 24994*
Tween 80 24994*
Twine 39475
Twinnia hydroides 82369
2,4-D 17751 17769 18884 35025 43710 52173 52204 52280 52305 52312 61877 69793 70055 70111 89259 89278 89292 89310 89316 89336 89337 89395 1937* 9928* 10778* 18912* 52286* 59902* 60927* 61867* 70062* 70085* 70088* 70117* 77318* 89249* 89348* 89406*
application 44770 52318*
effects on plant disease 543 16005
effects on plants 958 964 1200 1296 9048 9204 16518 17733 24852 24977 25014 25083 25113 25168 34171 42839 42930 42941 50994 51008 51117 51200 51262 60186 60248 68715 68729 68880 68881 70096 77475 77602 89403 749* 1289* 8864* 9207* 9208* 18892* 24905* 24942* 41622* 42653* 51388* 59760* 68288* 68302* 69087* 87412* 87490* 87592* 87972*
effects on protozoa 36314*
effects on soils 44012* 70362*
related compounds 26844*
residues 25917 65703 74435
2,4-DB 43713 70079 59902*
2,4,5-T 17751 18884 18898 18908 18915 43676 61877 70055 89259 89316 17743* 59902* 78179*
application 18888 18904 25929 44770
effects on plants 8998 25113 44762 69154* 87560*
effects on trees 18878 18920 53313 71136 90159 44762*
formulations 43739
insecticide 73068*
related compounds 26844*

Item

2,4,5-TP 59974
2-PAM 55315 54671*
Two-price system 22257 39348 48029 75363 93686
2,6-DBN 43734
2,3-DCDT 43717
2,3,6-TBA 1961 23740 43836 71136 89291
2-(2,4-DP) 43739
2-(2,4,5-TP) SEE Silvex
Tychobythinus 82218*
Tychus 82218*
Tygarrup 29320*
Tylenchorhynchus 8638*
Tylenchorhynchus martini 50535
Tylenchulus obscurus 24454
Tylenchulus semipenetrans 77274 24488*
Tylidae 5058
Tylobolinae n sfam 29305
Tylogonus 29299*
Tylopilus 67648
Tyloses 79560
Tylosin 28239 28241 45990 47649 47650 55012 62861 74910 80266
Tylostypia 46950*
Tympanal organs 21448*
Typha 77489
Typha angustifolia 55938*
Typha latifolia 20974
Typhlociba rosae 20853*
Typhloctonus n g 4941
Typhlocyba ficaria 92524*
Typhlocyba (Ficocyba) n sgen 92524*
Typhlocyba platanicola 38348*
Typhlocybidae 47051*
Typhlodromella n g 4941 55663
Typhlodromina n g 4941
Typhlodromus 46569 81775 55651* 64321* 92341*
Typhlodromus baccettii 4935*
Typhlodromus caudiglans 46801
Typhlodromus cucumeris 82115
Typhlodromus pyri 12763 64293 81824 4915*
Typhlodromus rhenanus 64009*
Typhlodromus sebutali 12763*
Typhlodromus tiliae SEE Typhlodromus pyri
Typhloligium 55654*
Typhloseius n g 4941
Typhonium brownii 58639
Typhoons SEE Hurricanes
Typhoseiella n g 4941
Typhula 15861 50355
Typhula itoana 33165
Typhus 28846*
Typophorus 82215*
Tyramine 48142 20114* 72446* 80694*
Tyrannochthonius 4943
Tyrode's solution 20240*
Tyroglyphidae 12426* 46795* 55708*
Tyroglyphus siro SEE Acarus siro
Tyrophagus 4950
Tyrophagus castellani 55279*
Tyrophagus dimidiatus 55545 55692 81850*
Tyrophagus lintneri 55235
Tyrophagus noxius 46625* 46795* 73574*
Tyrophagus putrescentiae 4949 21071
Tyrosinase 887 16967 33777 77605 84214 88138 88187 75109*
SEE ALSO Laccase; Phenolases
Tyrosine
in cattle physiology 36644*

Item

Tyrosine--Cont
in insect physiology 73802 21203* 73676* 92467*
in plants 42487 42993 87542
Tyrosol 6161
Tytthus pygmaeus 47046*

U 46 SEE MCP
Ubiquinone 63235
UC 10854 SEE 3-Isopropyl-phenyl N-methyl carbamate
Udamocercia frantzi 92658*
Udders
anatomy and physiology 45358*
buffaloes 36701* 62895*
cattle 11414* 45574* 91164*
anatomy and physiology 3498 3580 3591 19859 19933 45550 54295 72124 91086 3452* 36616* 36618* 36706* 45418* 45701* 54335* 54361* 54408* 54420* 62717* 62896* 72206* 91085*
diseases 19936 36575 36638 91021 91056 3473* 3508* 19769* 27821* 45584* 45610* 45636* 54332* 54423* 54453* 72154* 80277* 80409* 91091*
control 36571*
diagnosis 45561*
prevention 80429*
treatment 27761 19870* 19892* 27882* 36548* 45556* 80464*
sanitation 11627 91021 36686* 80429*
goats 54966 72834* 72835*
horses 36898*
sheep 54955*
swine 45556* 46236*
Udea 47130*
Udine Cattedra Provinciale per l'Agricoltura 85842*
Udine Ispettorato Provinciale Agrario 93388*
Udotea 50113
Uganda Coffee Marketing Board 39218
Uganda Dept of Agriculture 8107 67167
Uganda Dept of Co-operative Development 7833
Uganda Dept of Veterinary Serv and Animal Industry 79927
Uganda Forest Dept 2573 2574
Uganda Lands and Surveys Dept 7640
Uganda Ministry of Health 63871
Uganda Tsetse Control Dept 92044
Ukrainskaya Akademiya Sel'-skokhozyaistvennykh Nauk 49895
Ukrayins'ke Botanichne To-varystvo 15623
Ulcerative enteritis 46019
Ulcerative lymphangitis 28109 54636
Ulcers 3536 27998 62939
Ulex 43676
Ulex europaeus 34068 64677
Ulex galli 64677
Ulmaceae 90240
Ulmus 69831
breeding 90225*

Item

Ulmus--Cont
disease resistance 53421 90225*
fungus diseases 15968 37808 50326
Arkansas 24379 24380
conferences and congresses 50289 50290
control 374 4767 8459 8549 12640 20927 24300 50293 50300 50363 55560 55580 58964 58967 64073 77173
Kansas 41816
Massachusetts 50333
Netherlands 15997
North America 37816
Oklahoma 77187
injuries 92235*
pest control 4767 12640 37808 55559 55560 55580 81876
pests 20878 64109* 64564* 82516* 92235*
planting 19012*
propagation 50326
research
statistical methods 18656
spraying and dusting 8459
wood 2855* 90485*
Ulmus (insect) 5221
Ulmus americana
fungus diseases 16054 33305 67830
germination 61900
pest control 73367
propagation 42760*
Ulmus campestris SEE Ulmus carpinifolia
Ulmus carpinifolia 73573 11117*
Ulmus hollandica 43500*
Ulmus procera 73573
Ulmus pumila 18844* 38149* 64214*
Ulmus thomasi 2695
Uloborus geniculatus 64047
Ulodesmus 38041
Uloma extraordinaria 46897
Ulomini 82333
Ulonemia 5221
Ulosonia 82288*
Ulota crispula 42867
Ulothrix 1012
Ulster Farmers' Union 7815
Ultrashort waves 53882 64067 4295* 28156* 53883* 72345*
Ultrasonic vibrations SEE Supersonic vibrations
Ultraviolet rays
effects on algae 42343 59781 77429 25037* 33745* 70328*
effects on animals 79739*
effects on bacteria 83297
effects on blood 72326*
effects on cattle 27743* 36389* 54422*
effects on economic poisons 23731
effects on fibers 74981*
effects on fungi 1264 24969 33211
effects on insects 4993 28981 37739 55766 55770 73298 73312 82544 82565 92312 12715* 21009* 21187* 29507* 38150* 92621*
effects on microorganisms 39399*
effects on nucleic acids 16121
effects on plant disease 536 41932 77222 77107*

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Item

Ultraviolet rays--Cont
effects on plants 902 16454 42177 51052 59842 59971 60297 861* 16543* 24557* 68689* 77434*
reviews 60177*
effects on poultry 11985*
effects on royal jelly 46688*
effects on seeds 1233* 88001*
effects on sheep 72852*
effects on vegetables 577 34150*
effects on yeasts 1348 42895* 51338*
in animal research 11658*
in dairy products processing 30633 56790* 93407*
in entomological research 20838 38493 92067 38266* 55213*
in fats and oils analysis 7060 14485 56347 48807* 48816* 84797*
in fiber research 30854*
in fruit analysis 39653*
in latex processing 48875
in lignin research 84513*
in meat analysis 84630*
in meat processing 6995*
in milk analysis 22030*
in plant research 61227 77791* 77819*
in pulp and paper research 2916
in soil research 2044*
in tannin research 11054*
Ultuna Sweden Lantbrukssko-lan 23523*
Ultuna Sweden Statens Lant-brukskemiska Laboratorium 32511*
Ulva 33626
Ulva conglobata 51534*
Ulva lactuca 69214
Ulva mutalilis 32919
Ulva pertusa 51534*
Ulva rigida 1195* 1197*
Umbellales 42266
Umbelliferae
analysis and composition 21784*
anatomy and physiology 16325*
California 33736
diseases 67721*
morphology 748* 59638* 59639* 59640* 68341*
pests 12743* 67721* 73104*
pollen 33736
seeds 87279
taxonomy 67465 67474
USSR 8240
Umbilical cord 11546 62487* 80237*
Umbilical hernia 20088 28666 63028 27798*
Umbilicus (animals) 55120* 91890*
Umbilicus gaditanus 41485
Umbilicus heynaldianus 41486
Umbilicus pendulinus 41474
Umesaona n g 55855
Unaspis citri 55477
Unaspis yanonensis 29569* 37484*
Uncinaria criniformis 3650*
Uncinaria stenocephala 3650*
Uncinariasis SEE Hookworms
Uncinia 32836
Uncinula 260* 41581*
Uncinula necator 404 455 8501* 58936* 86740*
Uncinus 47130*
Undecylenic acid 27984
Undulant fever SEE Brucellosis, man
Unemployment SEE Employment

Item

Unemployment insurance 40342 40355*
Unger F 49984*
Ungulia n g 64554
Uniform State Food Drug and Cosmetic Bill 47718 56434
Union Catalana de Avicultores y Cunicultores 74007*
Union Catholique des Cultivateurs 66988*
Union Nacional de Productores de Azucar (Mexico) 85077* 94027*
USSR Gosudarstvennyi Nauchno-Kontrol'nyi Institut Veterinarnykh Preparatov 62397*
USSR Ministerstvo Vnutrennikh Del Veterinarno-Bakteriologicheskaya Laboratoriya 36353
Union Valaisanne pour la Vente des Fruits et Legumes 30986* 84282*
Unisitobion n g 82563
United Co-operatives of Ontario 32336
United Fresh Fruit & Vegetable Association 6626 48364 48365 48370 48391
Claims Committee 48388
Potato Div 48395
Serv Wholesalers Div 48366
Terminal Market Div 48383
United Merchandising Institute 48366
United Grain Growers 6842 31197 65946
United Nations
Economic and Social Council 47608*
International Children's Emergency Fund 86046
United Nations Statistical Yearbook 6096*
United Planters Association of Southern India 26000 33112 35087
United Planting Association of Malaya 76460
U S Agency for International Development 40525 86238
SEE ALSO U S International Cooperation Admin
U S Army
Veterinary Serv 71854
U S Atomic Energy Commission 47792 74543
United States Brewers Association 47846
U S Bur of Customs 4312
U S Bur of Land Management 26973 35539 66714 79097 85542 85754
report 40621
U S Bur of Reclamation 2404 18476 35539 44456
U S Conference on Outdoor Recreation 44905
U S Corps of Engineers 52909
U S Dept of Agriculture 58389 67288
administration 23765 32513 41223 67276 83404
Agricultural Marketing Serv 49772 65176 83404
directories 94868
Fruit and Vegetable Div 48377
Market Quality Research Committee 84273
Packers and Stockyards Div 57266
Poultry Div 14555 22776 31457 75671
Transportation Research Br 83386

Item

U S Dept of Agriculture--Cont
Agricultural Research Center 51863 67282 91029 15597*
Agricultural Research Serv 48345 48766 65103 67285
Animal Disease Eradication Div 19594
Animal Husbandry Research Div 80669
Animal Inspection and Quarantine Div 63184
Crops Research Div
Agricultural Research Station Salinas Calif 77983
Fruit and Nut Crops Research Br 1744
National Arboretum 32873 58549
Plant Introduction Station Miami Fla da 1980
Dairy Research and Marketing Advisory Committee 48103
Deciduous Fruit and Tree Nut Research and Marketing Advisory Committee 22357
Eastern Utilization Research and Development Div 6731
Entomology Research Div
Apiculture Research Br 20953
Boll Weevil Research Laboratory State College Miss 20732
Meat Inspection Div 14396 66045
Metabolism and Radiation Laboratory Fargo N D 15599
National Animal Disease Laboratory Ames Iowa 3203 19489 79805 79941 79948
National Seed Storage Laboratory Fort Collins Colo 7206
Northern Utilization Research and Development Div 48764
patents 41139
publications 23764 41139
personnel 8082 24178 26605 27462 28742 29823 33136 54029
Plant Industry Station Beltsville Md
Seed Collection 15669
Plant Quarantine Div 15955 58888
policies and programs 86278
Sheep and Wool Research and Marketing Advisory Committee 63543
Southern Utilization Research and Development Div 5958 30847 58386
Western Utilization Research and Development Div 8108 30818 65625
appropriations 41144 49013 58387 58388 67168 94870 94871
awards 8083
Bur of Animal Industry 55136
centennial 32225 41143 49774 58390

Item

U S Dept of Agriculture--Cont
Commodity Credit Corporation 65876 75304
report 40326 57698
statistics 49037
directories 32502 41141 41142 41145
education and information 32226 49775
Farm Security Admin 66445
Farmer Cooperative Serv 58233 65111 65446 65593 65686 66029 66178 67007
history 94730
publications 94726
Farmers Home Admin 40328 66397 75873 75883 94186
Federal Crop Insurance Corporation
report 75902
Federal Extension Serv 93092 94698
films 32227
Foreign Agricultural Serv 49598
Forest Serv 2769 35641 44548 71159 89979 90368
Alexandria Forest Research Center Alexandria La 35624
Bartlett Experimental Forest Bartlett N H 2659
Central States Forest Experiment Station Columbus Ohio 2554 44567
Cutfoot Experimental Forest Deer River Minn 71134
Div of Budget and Finance 2560*
Ely Serv Center Ely Minn 90274
Forest Pest Laboratory Durham N C 15882
Forest Products Laboratory Madison Wis 26663 27075 27079 27102 62108 71470
report 90377
Fraser Experimental Forest Fraser Colo 61316
George Walton Experimental Forest Vienna Ga 71041
history 8020
Institute of Forest Genetics Placerville Calif 50265
Intermountain Forest and Range Experiment Station Ogden Utah 10533 90006
Intermountain Region 35915 71340
Lake States Forest Experiment Station St Paul Minn 2551 90007
Naval Stores Conservation Program Valdosta Ga 53678
Naval Stores Laboratory Olustee Fla 79579
North Central Forest Biology Laboratories Delaware Ohio 17221
Northeastern Forest Experiment Station Upper Darby Pa 90008
Northern Forest Experiment Station Juneau Alaska 90009
Olustee Experimental Forest Olustee Fla 71323

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Item

U S Dept of Agriculture--Cont
Forest Serv--cont
Pacific Northwest Forest and Range Experiment Station Portland Oreg 90010
Pacific Southwest Forest and Range Experiment Station Berkeley Calif 58878
publications 2551 10533 79300
report 2575 40621 79094
Rocky Mountain Forest and Range Experiment Station Fort Collins Colo 90011
Rocky Mountain Region 35866
San Dimas Experimental Forest Glendora Calif 34480 44873 71313
Southeastern Forest Experiment Station Asheville N C 2555 79300
report 90012
Southern Forest Experiment Station New Orleans La 26715 53156 71029 79095 79300
Tropical Forest Research Center Rio Piedras P R 18707
Graduate School 40878
history 32574 32575 37355 38958 41143 48911 49774 49848 49853 55136 58389 58444 66445 67250 67254 67258 67260 86227 86232 94962
National Agricultural Library 49872 66901 94859
Office of Information 49775
Office of Plant and Operations 41142
Office of the General Counsel 15593
organization 86140
personnel 15593 15594 23828 32589 58459 58460 67276
policies and programs 5991 8104 10432 14221 14821 15290 15508 23734 30181 31793 32286 32589 38969 40871 41119 47629 47968 49199 49200 49696 49861 56414 65644 66939 67286 76382 78546 84289 84295 94598
procurement 41145
publications 32491 94698
report 8109
research 8110 63543 75271 76804
Resettlement Admin 66445
Rural Electrification Admin 31726 31728 49027 49040 74363 74369 83291
history 47609
personnel 32590
Soil Conservation Serv 10443 53058
Special Study Group on Sugar 94046
Statistical Reporting Serv
Crop Reporting Bd 65268
Yearbook 67260 76695
U S Dept of Consumers (proposed) 5995
U S Dept of Health Education and Welfare 65053 83490

Item

U S Dept of Labor 66483
U S Dept of the Army 74543
U S Dept of the Interior
National Park Serv 26981
Patuxent Research Refuge 5633
U S Farm Credit Admin 14719 23036 31727 40327 49038 75890 85240 85242
appropriations 94871
U S Federal Farm Mortgage Corporation 75850
U S Federal Trade Commission 48382 48384 65442
U S Food and Drug Admin 5995 30125 30222 30256 30735 30744 38974 38998 47734 47735 47740 47751 48121 65156 65160 65166 83490 93252
Consumer Consultant Program 13509
U S Inter-Agency Committee on Water Resources
Subcommittee on Vector Control 81580
U S International Cooperation Admin 14929 23227 28844 32228 32297 66968
Operations Mission to Israel 14901
SEE ALSO U S Agency for International Development
United States Livestock Sanitary Association 79928 79929 90737 90738
U S Missouri Basin Inter-Agency Committee 78546
U S National Advisory Board Council for Grazing 25493
U S National Agricultural Advisory Commission
directories 40524
U S National Forest Reservation Commission 10585
U S National Labor Relations Board 32326
U S National Science Foundation 41232
U S Outdoor Recreation Resources Review Commission 44905 62002
U S Public Health Serv 6265 81594
U S Quartermaster Corps 67286 74526
Military Subsistence Supply Agency 38969
U S Quartermaster Food and Container Institute for the Armed Forces
Radiation Preservation of Foods Project 83558
U S Quartermaster Research and Engineering Command
Quartermaster Radiation Laboratory 56487
United States Sugar Corporation 17239 17257 22828 22867
U S Tennessee Valley Authority 15178 23453 53203 70486 70835 74367
Div of Forestry Relations 26717
U S Weather Bur 67274
Unithiole SEE 2,3-Dimercapto 1-propanesulfonic acid
Unitized transportation SEE Containerization
Universities Federation for Animal Welfare 71887
Upper Midwest Economic Study 7366 31671
Uppsala Jordbrukstekniska Institutet 56094*

Item

Uppsala Lans Hushallningssallskap 41146*
Uppsala Läns Kontrollforening 11733*
Urab SEE 3-Phenyl-1,1-dimethylurea trichloroacetate
Uracil 5131 42936
Uramite 61334
Uramya 38227
Uranium 1195* 2070* 50582* 68873*
Uranotaenia andreae 38266*
Uranotaenia henrardi 46986
Uranyl acetates 37050*
Urbanization 32094 49442
Urea
determination 6438 93470
effects on fibers 13986 14005 34054
effects on insects 82824
effects on plants 16628 67832 77495 86626 87921 89655 16835* 25135* 34061* 60176* 87865*
fertilizers 10231 10295 18362 26253 61657 78981 89655 26258* 53069* 70536* 79007*
Coniferae 90177*
corn 18248 35377*
cotton 18248 78638*
Cynodon dactylon 35327
fruit 44290*
grasses 10240 52842
pineapples 78703
potatoes 52860
redpeppers 18379*
rice 70646
sugarcane 35403 2346*
tomatoes 10230* 18379*
wheat 44176*
herbicides 9912 43731 52229 89380 70014*
in animal nutrition 6413 93470 3071* 27243* 62671* 79719* 90557*
bibliographies 11184*
in animal physiology 62486 79840*
in blood 3689 36778 3424* 91035* 91039*
in cattle nutrition 3322 3333 3336 3361 3389 3392 19691 36482 45490 45530 54144 54193 54214 54226 62644 62656 62660 62694 91652 3411* 11479* 11513* 11515* 11662* 19733* 27585* 27595* 27598* 27649* 27665* 27671* 27682* 36485* 36716* 45487* 45498* 54197* 54199* 54221* 71979* 71991* 72045* 72060* 80103* 80138* 80177* 80178* 80195*
in cattle physiology 36626* 54325*
in fats and oils processing 7041 40054
in fiber processing 6548
in goat nutrition 28450*
in goat physiology 20376* 20380* 28476* 63469* 81052*
in gum arabic processing 19284
in insect physiology 5568 82234*
in plants 8933 16833 25165 51066
reviews 77675
in poultry nutrition 20171*
in poultry physiology 63332

Item

Urea--Cont
in ruminant nutrition 11156 53765 79676 11161* 53796* 62321* 71689* 71704* 79681* 79711*
in ruminant physiology 27842 79836 11233* 45329*
in sheep nutrition 4077 12088 12164 36482 54906 91652 91666 27682* 54199* 63423* 72810* 91659* 91663*
in sheep physiology 80996*
in silage 3616 11194* 27236* 27241* 27284* 27630* 28439* 45500* 71644* 71983* 72807* 90516*
in soils 52556 61153 26064*
in starches 93735
toxicity 11662* 72223* 91098* 91117*
Urea-formaldehyde fertilizers 10477 52725 52849
Urea-formaldehyde resins 19239 45038 78597 79586 11009* 13954* 19245* 31574* 45028* 53627* 71503* 87707*
Urea resins 2896* 11020* 62129*
Urease 9312 51490 88125 17979* 22334* 22657*
Uredinales 24316 50282 50358 50376 58991* 86575*
Argentina 86574*
Asia 41552
biochemistry 88248
Europe 32963*
genetics 50845
Great Britain 41549 41551
India 41577
Japan 67620*
morphology 33698
North America 67590
Norway 67601
taxonomy 251 302
USSR 86589*
Western States 58803
Uredinopsis 8304
Uredo 86575* 86589*
Ureides 16833 51448 88218*
reviews 77675
Uremia 72359*
Urentius echinus 37644
Urethan 67720 9184* 39570*
Urethra 3448 11764 12140 45769* 73000*
Urginea undulata 88124*
Uric acid
in animal physiology 19996
in food 93034
in insects 4847* 20980* 37919* 37987* 64213* 82033* 82234*
Uricase 25194*
Uridine 13067* 25037*
Uridine phosphates 16941 60349
Uridylic acid 73511*
Urinary calculi
cats 36834 45789*
cattle 3448 11556 80460
dogs 63077 45789* 63030*
sheep 20373 20419 63503*
Urinary incontinence 54592
Urine 93031 93705 90635*
cattle 11543 11544 68637 91019*
analysis and composition 3448 54412 80290 80354 11540* 27698* 45558* 91012*
hydrogen-ion concentration 11610* 36712*

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Item

Urine--Cont
dogs 19996 72302* 80534*
horses 80649 36712*
poultry 3961 11975 20205 80783 11933*
sheep 20372 20388 78589 54933*
analysis and composition 20360 63516 81022 81048
swine 73006 91920*
Urnula craterium SEE Strumella coryneoidea
Urochloa 16653
Urocystis 77024*
Urocystis cepulae 16034 24292* 86757*
Urocystis gladioli 41879
Urodon 38100*
Urogenital system
dogs 28066 63071* 80530*
minks 63108
poultry 37048
swine 81299
Urolithiasis SEE Urinary calculi
Uromyces 33330* 67894* 86575*
Uromyces anthyllidis 41791
Uromyces appendiculatus 452
Uromyces ari-triphylli 1019
Uromyces caladii 8759
Uromyces dactylidis 24361*
Uromyces ferulaginis 24087*
Uromyces minor 41791
Uromyces phaseoli 16092
Uromyces phaseoli phaseoli 58986
Uromyces phaseoli typica 405 8525 33207 50266 77099 86911*
Uromyces silphii 77022*
Uromyces striatus 41855
Uronic acid 16663 70331 90436
Urophora jaceana 29474
Uropodidae 73575
Uropodina 55686*
Uropygi 64311* 82185*
Uropygial gland 54783 11950* 11951*
Urothemis 29782
Urotropin SEE Methenamine
Urox SEE 3-(p-Chlorophenyl)-1,1-dimethylurea trichloroacetate
Uroxys 92401*
Ursinia 32737
Ursolic acid 9316*
Urtica pilulifera 33713*
Urticaceae 42297
Urticaria 54542
Usambilla 21461*
Ushakova E I 58391*
Usnea flexilis 60343
Usnea orientalis 69224
Usneaceae 32980*
Usteria 8224
Ustilaginales 24593 33004* 67651* 77024* 87284*
Ustilago 67591 59085* 86887*
Ustilago avenae 86870
Ustilago esculenta 86937
Ustilago hordei 86870
Ustilago maydis SEE Ustilago zeae
Ustilago nigra 42397 59031*
Ustilago nuda 16068 59011 24313* 67776* 67815* 86803*
barley 16067 17048 24330 42382 42397 67806 77189 41885* 41932* 86741* 86968*
wheat 24285 33258 33259
Ustilago paradoxa 8494
Ustilago perennans 8541*
Ustilago scitaminea 24321 50261

Item

Ustilago tritici 1066 15966 41898 50414 67776* 67815* 86803*
barley 41885*
wheat 8486 8487 16036 33301 41878
Ustilago zeae 467* 16441* 16442* 33189* 41771* 59071* 67881* 67946* 68936* 77103* 86915*
Utah Academy of Sciences Arts and Letters 86141
Utah Agricultural Experiment Station 49893
report 8112
Utah Mosquito Abatement Association 55361
Utah State University Intermountain Herbarium 67326
Uterine hernia 12146 80341 72311* 91906*
Uterine prolapse 4239* 46227* 62916*
Uterine torsion 20025 45681* 62756*
Uterosomus 46910*
Uterus
anatomy and physiology 79809
cats 91194 72327*
cattle 3539 19869 19927 54374 62468 91023 3772* 27872* 45594* 91103*
anatomy and physiology 80206 80261 11680* 54328* 62931* 72092* 72247* 80439*
diseases 80404
dogs 80570*
horses 80633 54626* 72429*
insects 55793
mice 80696
poultry 11964 91491
rabbits 20311 37156 91615*
sheep 46107 54934 63476
swine 55083 20498* 28688* 37378* 46252* 63633*
Utetheisa pulchella 12996 13031 29669 38455 64607 64687 73813 82694 38471*
Utingaltica n g 82215*
Utrecht Instituut voor Veeteeltkundig Onderzoek "Schoonoord" 45396*
Utricularia 58712
Utricularia hirta 67453
Utricularia inflata 58698
Utricularia radiata 58698
Utricularia vulgaris 87243*
Uzbekskaya Akademiya Sel'skokhozyaistvennykh Nauk 15958*

Vaccaria SEE Saponaria
Vaccines 3200 54037 62451 90741
adjuvants 91734 11307* 53902*
administration 4156 20198 28083 36269 63299 3130* 3893* 11242* 11751* 20238* 20529* 27416* 36691* 54750* 54776* 54919* 62396* 63665* 80795* 80815* 80860* 91515* 91874* 91879*
grading and standardization 36243 11287* 45309*

Item

Vaccines--Cont
lyophilization 19922* 62386* 62396* 63488* 63634* 79804*
manufacture 6260 36707 63010 19440* 27406* 28523* 28682* 55128* 62806* 90569* 91824*
properties 12014 90577
quality 71806*
regulation and inspection 11297* 19601*
storage 27302*
tests 46007 63342 3216* 11594* 20517* 28687* 36215* 63671* 91836*
viability 54551 37398* 45248* 54411*
SEE ALSO Immunization; names of vaccines; and UNDER names of diseases
Vaccinia SEE Cow pox
Vaccinium 42161 32853 12920* 67445*
Vaccinium buxifolium 60750
Vaccinium myrtillus 33461 93640*
Vacreator 30664
Vacusus 5047
Vadonaria 46858*
Vagina
artificial 36384
cattle 3539 27812 80206 80404 11658* 19851* 27711* 27731* 27732* 62785* 72086* 72129* 72147* 80329* 91011* 91137*
dogs 19989 36806 63004 11743* 36773*
goats 72840* 81114*
guinea pigs 54681
sheep 54940* 81080*
Vaginal hernia 91872*
Vaginal prolapse
cattle 19838 19873 19799* 45646*
dogs 63001
sheep 46140
Vaginitis 80214*
SEE ALSO Coital exanthema
Vakhshskaya Pochvenno-Meliorativnaya Stantsiya 10433*
Vakhshskaya Zonal'naya Opytnaya Stantsiya 60393* 60635* 60644*
Valeriana rossica 68226*
Valerianella locusta 84
Valeric acid 1376 69208*
Valgus hemipterus 91984*
Valine 854 1348 1406 34323 43021 88177 69209*
Valladolid "Jose-Antonio" Escuela de Agricultura 49450
Vallée's disease SEE Equine infectious anemia
Vallisneria 42917 50925
Valsa cincta 41881*
Valsa kunzei 16018
Valsa leucostoma 59094 8477* 41788*
Valsa myinda 77019
Valsonectria reticulata 86576*
Values in rural life 67021 76503 85144 85156 85380 85386 85410 85438 85808 85944 85948 85949 66526*
Valva n g 47130*
Van Emden F I 41177*
Vanadium 11994 72657 78372
Vanags G 8027*
Vanaspati 22662 40072 84857

Item

Vanaspati Manufacturers' Association of India 84857
Vancomycin 26610
Vanda 17470 17513 89031
VanDemark N L 90841*
Vanessa atalanta 5379 5462 47190* 64621* 64655*
Vanessa cardui 5386 55961 55976 73853 46489*
Vanessa indica 29733
Vanessa urticae 55936
Vangueria pygmaea 52301
Vanilla 6382 83701*
adulteration 6125
analysis and composition 6158 47870 56576 74590—74592
culture 52357 25978* 89408*
fungus diseases 33269*
industry 6137
marketing 83620
Vanillin 13667 14605* 30440* 45052* 52611* 83701*
Vanroonia 46882*
Vapam 70878 8637* 35591* 50534* 89263*
Variance analysis 49239
Varicima 90686*
Varicoxa 82215*
Varmlands Läns Hushallningssällskap 86142*
Varnishes SEE Paints and varnishes
Varro De Re Rustica 94317*
Vasa Svenska Mejeriskolan 39254*
Vasates fockeui 29101*
Vasates lycopersici SEE Aculus lycopersici
Vasil'ev I V 67240*
Vasil'ev V N 41172*
Vasopressin 37237 63336
Västernorrlands Läns Hushallningssällskap 76697*
Västmanlands Läns Hushallningssällskap 32514*
Vatesus 21091*
Vaucheria 51092*
Vavilov N I 94918*
VC 1-13 SEE V-C 13 Nemacide
V-C 13 Nemacide 55371 50557*
Veal
costs and returns 7682
industry 31222 91152 39901*
marketing 39900*
quality 72050
regulation and inspection 84709*
Vecortenol 45738*
Vectura 82271
Vedder E B 67239
Vegetable juices 56951 56956
analysis and composition 48331*
consumption 65677
grading and standardization 57016 57020
history 56956
nutritive value 58354
processing 57072 57073 57079 57106 57111
regulation and inspection 57016 57020
sanitation 57058
spoilage 57019
Vegetable oils SEE Fats and oils
Vegetable parchment 31301
Vegetables
acreage and area 6741 14209 22451 39692 39693
California 31071

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Item

Vegetables--Cont
acreage and area--cont
Canada 14201
Connecticut 75246
Germany 84397*
Netherlands 31069*
advertising 14101 22369 84257 22364* 57040*
analysis and composition 22332 30939 30941 39635 52854 56969 65717 75098 75110 75118 84199 84206 84219 93559 84218*
anatomy and physiology 1171 1292 16719 16770 25142 34132 51004 87548 87642 87882 24824* 42640* 42738* 59759* 59952* 68726* 68920* 68921* 69124* 77550* 87839* 88004*
associations 14053*
bibliographies 48316
biochemistry 42954* 88149*
blanching 22419 31029*
breeding 17280 52154 60895 77846 69944* 89165*
Bulgaria 89133*
El Salvador 78159
Germany 17610* 34922*
Hawaii 78148
Netherlands 25798*
Republic of South Africa 1424
Taiwan 77845
USSR 1867* 9853* 43374* 69980*
canned 14145 48440 57054 57289*
color 75205*
containers 48418*
France 65826*
Germany 31022*
Great Britain 39746 75182
Lithuania 75230*
marketing 22378
Rumania 93667*
USSR 93642* 93653*
canning 84324 14150* 65783* 75203* 75225*
care and handling 14138 14170 84274 93579 74119*
chemistry 93569
conferences and congresses 1891
consumer preferences 75129 93573
consumption 6653 22346 65724
Europe 94777*
European Economic Community 22345
Georgia 75125
Italy 65732
Poland 93577*
containers 6691 14121 65788 84302 84308 48420*
contamination 22332 28963 30941 57021 75098 6685* 39698* 41675* 48397* 75157* 84297* 92153*
cookery 6713 23669 23679 65820 94802
cooling 31012 57066 84372 31065* 84353*
cooperatives 6658 6662 6664 6666 6669 14082 39681 48391 65686 65737
conferences and congresses 6672

Item

Vegetables--Cont
cooperatives--cont
France 30986*
Germany 14094* 22370* 57004*
Great Britain 48367
Italy 93582*
Middle Western States 22381
costs and returns 93619
Bulgaria 40686*
Florida 94488
France 66745*
India 66655
Netherlands 49349*
Poland 15084*
USSR 14954* 31959* 93586*
culture 17568 17577 17582 17308* 60916* 77550* 87839* 89138*
Australia 1883 1885 43621 69707
Bulgaria 1856* 52101*
California 17616 69982
Connecticut 61346
Czechoslovakia 25057* 26369* 43606* 60885* 69988*
Denmark 89193*
Florida 9859 17968 44120 60925 88835
Georgia 17614
Germany 51588* 69959* 69977* 70689*
East Germany 21755* 34896* 43625*
Great Britain 17559 17594 60633 60897 89149
Guernsey 25851*
Hungary 1898* 1899* 30101* 69913*
India 52142 89170
Italy 92139*
Japan 88827 1858*
Latvia 89230*
Maine 52133
Malaya 17592
Minnesota 10330
Missouri 69972
Netherlands 25748* 25802* 25816* 25836* 89112*
New Hampshire 78156
New Jersey 78144
New Zealand 1862 25833 78777
Norway 8378* 9808* 25823*
Ohio 52157
Oklahoma 25867
Poland 69931*
Puerto Rico 9840*
Rumania 25837*
Spain 61543*
Sweden 17591* 89177*
Taiwan 77845
Tunisia 58867* 89186*
USSR 1868* 25179* 25799* 34906* 43655* 52069* 52116* 60906* 69928* 69943* 74323* 89122* 89124* 89200* 89214* 89217*
Venezuela 49625*
Virginia 40382
deficiency diseases 34073
directories 6626 21824 22308 48295 84264 39587* 84138*
disease resistance 52154 67878*
diseases 50156*
Australia 15884
Canada 33126
control 370 41675*
Algeria 33132*

Item

Vegetables--Cont
diseases--cont
control--cont
Arkansas 8321
Canada 86613
Connecticut 58872 86679
costs 86705
Florida 8397 33038
France 50171*
Massachusetts 67719
Michigan 58850
Netherlands 2505*
New Zealand 15946
Rumania 41685*
Czechoslovakia 86620*
Netherlands 24180* 50209*
New Zealand 86607
Yugoslavia 86600*
dried 65714*
drought resistance 87642
drying 14137 31052 31053 31063 6706* 57063* 84387*
enzymes 84386 48319*
equipment 92765 13195* 56119* 82932*
farms SEE Truck farms
fertilizers 2335 10184 35325 35340 35357 78637 89775 53065*
Canada 70614
Florida 70599
France 52697* 52718*
Germany 70652* 70689*
Great Britain 61359
Italy 89634*
Latvia 10316*
Michigan 52854
North Carolina 596
USSR 2329* 10178* 35345* 74064*
Wisconsin 44190
flavor and odor 60626
for processing 6682 14201 31079 39693 48408 75235 30900* 57067* 84255* 93603*
forcing 59952* 69124*
fortified 32476*
freeze-drying 57023*
freezing 22419 39735 84324 93636 31027* 31029*
frozen 14145
discoloration 31029*
Germany 6722 31018*
grading and standardization 22400*
Great Britain 39746 75182
Italy 39758*
keeping quality 93602*
regulation and inspection 6681
statistics 48489 75182
storage 30188 57049
transportation 6681 30188
vitamins 93602*
fungus diseases 15971 86789 67878*
control 462 24307 86963 16007* 77157*
germination 77662 33037* 42675*
grading and standardization 48399 65758 84285 14114* 39701* 93608*
hardiness 43640*
harvesting 40375 51887 9801* 89143*
equipment 13245 5774* 21612* 21619* 21632* 47423* 74119*
history 22289 34906*
hybrids 9842 87385 89241

Item

Vegetables--Cont
industry 39632
Algeria 39589* 39608* 39609*
Argentina 22290*
Australia 30932 39899
Denmark 22316
Estonia 65697*
Florida 48288
France 22289 14024* 56949* 65684* 65688* 84162*
Georgia 75060
Great Britain 6605 22286
Italy 39601*
Missouri 14030
New Hampshire 84158
New Jersey 84151
New York 85764
North Carolina 84142
Ohio 6611 94742
Oregon 40564
Pacific Northwest 84396
public relations 48370
Texas 6617 39631
USSR 65670 14038* 48291* 56945* 75050*
USSR bloc 76081*
vertical integration 14042* 30900*
Virginia 6613 84143
injuries 86723*
irradiation 84381 75181*
irrigation 78882 89839*
Algeria 35521*
Australia 44375
Czechoslovakia 26424*
equipment 35530
Hungary 70729*
Mediterranean area 61529*
Netherlands 44363* 61577*
New Zealand 44380
USSR 10354* 35319* 44387* 61569*
keeping quality 48484 57022 93652*
labeling 39687
labor 14138 40375 49109*
California 49083 49091
Germany
East Germany 94247*
Netherlands 23079* 49349*
Virginia 40382
legislation 6624
losses 84238 84242
marketing 6678 6741 14078 14079 14080 14086 21824 22351 22368 22380 22451 39662 39668 39682 39686 39692 39693 48366 48377 48380 48383 57005 65735 84273 93579 93594 93601 65746* 75142*
Alabama 6691 65743
Argentina 22290*
Australia 30966
Brazil 30968*
California 48363
Colorado 93588
District of Columbia 57003
Europe 6663 22363 48386*
Florida 65742
France 22350* 30971* 48359*
Georgia 75060
Germany 14094* 39676* 56996* 75143* 75145*
Great Britain 22353 22354 40983 48369 65740

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Item

Vegetables--Cont
marketing--cont
Idaho 75139
Italy 65732
Kentucky 14100
legal aspects 48382 48384 48388
Massachusetts 39683
Michigan 30978
Montana 93588
Netherlands 65733 30981* 75135* 75136* 84255*
New Hampshire 57014
New Jersey 78144 93580 93581
New Mexico 93588
New York 48360 84263 93587
North Carolina 39685
Norway 14083* 30920*
Ohio 39687
Oregon 14093
Poland 48394*
Portugal 48358*
Republic of South Africa 39678
statistics 48392 57013 65748 84239 93580 93581
Switzerland 22360* 84282*
Texas 93588
USSR 84283* 93586*
United Arab Republic 22356
Utah 93588
mechanization 40382 5685* 5698* 5714* 82949* 82962*
microorganisms 48341*
morphology 59420*
nematode resistance 68074*
nematodes 8629 16166 59215*
control 33432* 42075*
Alabama 2504
Austria 59202*
Missouri 50538
North Carolina 596
USSR 59222* 68073*
nutritional deficiencies 25162
nutritive value 15468 23690 23698 32469 41079 15479* 23701* 32467*
packing 14080 14124 22407 75172 75235 57034* 57040* 65768*
bibliographies 57033
costs 65766
equipment 48421*
pest control 4331 4400 20707 46443 55463 16007* 37649* 41675*
Arizona 46494
Arkansas 8321
Australia 58833 92101
biological 63965 63967 37618* 46457*
California 46505
Canada 37765 86613
Colorado 55390
Connecticut 58872 86679
costs 86705
Florida 33038 63891 63903 63969
France 50171* 81680*
Japan 20748*
Kenya 81720
Massachusetts 67719
Mexico 92137*
Michigan 58850 63937
New Zealand 73245
Nicaragua 73224* 81681*
North Carolina 55382

Item

Vegetables--Cont
pest control--cont
Ohio 4654
Oregon 37653
Pacific Northwest 77053
Puerto Rico 81615
Texas 46463
USSR 12517* 46557*
Utah 55422
Washington 55470
pest resistance 63902*
pests 46443 82523 82613 46442*
Canada 92132
Czechoslovakia 86620*
Germany
East Germany 63902
Great Britain 12601 37638 81639
India 86720
Ireland 4596
Italy 92139*
Lebanon 81813
Netherlands 63978 24180*
New Zealand 55432
Rhodesia and Nyasaland 20778
Syria 81813
physiological diseases 34073
planting 25142 34933 35122 69954 52088*
equipment 13218 13222* 29920* 47380* 47381* 64848* 74054* 74057* 89173*
Germany 69977*
Netherlands 23079*
New Zealand 78212
USSR 1879* 69951* 74323*
United Arab Republic 17619
policies and programs 6608 39611 93538 93547
Argentina 30896*
Germany 14053*
East Germany 14029*
Italy 39590*
USSR 14020* 14052* 22318* 65681* 75057*
pollination 37891 81965
prices 22446 57045 65773 93619 93620 31005* 48427* 84228*
processed
Alabama 65793
analysis and composition 6634 65717 93555
bacteria 84215
Czechoslovakia 93646*
directories 6732
flavor and odor 6713
Germany 57075* 84392*
grading and standardization 93608*
history 65828* 75242* 84393*
Italy 14154* 48468* 84331*
marketing 75235 6676*
Netherlands 93673 84391*
Norway 14179*
nutritive value 6713 23701* 32476*
prices 22446
quality 75235
regulation and inspection 6687
Southeastern States 48483
statistics 13573 22446 22447 39774 14153* 75190*

Item

Vegetables--Cont
processed--cont
trade
Benelux 23631*
European Economic Community 58253* 67045* 67046* 76521*
France 15400*
Germany 23630* 58279*
Italy 84331*
Netherlands 7909*
Poland 32397*
USSR 31064* 48352* 93642*
processing 6702 48484 65788 65820 75231 84385 84386 93670
equipment 75196*
production quotas 31069*
production regions 75060 56948*
properties 93556
purchase and sale programs 39660 48352*
purchasing 65743 75235 93572 93578
quality 6682 39731 48380 48408 65820 26424* 57017* 93603*
refrigeration 84334 84383 48435*
regulation and inspection 84289 84295 93670
Europe 48397*
Florida 39706
Germany 32416*
Idaho 75156
Spain 57030*
research
statistical methods 48408
seeds 16997 17568 57466 69954 77662
analysis and composition 57476*
Austria 34926* 43630*
Bulgaria 52101*
certified 1844
Germany 78162*
Great Britain 89160
Japan 89114*
moisture 57476*
Netherlands 14021*
prices 48884 57462
purchasing 66195*
quality 14573* 89167*
regulation and inspection 48892 48893 66206
Rumania 25837*
storage 1124 66195* 88027*
treatment 50180 16007* 33037* 43640* 52102* 66195* 69952* 88027*
USSR 9853* 31526* 60905* 82962*
viability 1124 88027*
shading 60925
shows 34581 39605*
situation and outlook 6610 6616 22346 30929 38883 39598 39602 93547 84228*
Algeria 39625*
Belgium 65671*
Connecticut 39596
Czechoslovakia 30907*
France 75069*
Germany 30906* 66286*
Israel 13428
Netherlands 93535*
Norway 30920*
Texas 30930
USSR 14023* 30892* 39616*
soilless culture 42758* 68921*

Item

Vegetables--Cont
soils 17968 35122 35280 35590 61346 78288 35319* 61543*
spoilage 84294
spraying and dusting 15961 33086* 83170*
statistics 14209 31079 75251
California 31071
Canada 13573 14200 22446
Eastern States 39785
Florida 65837
Germany 14203* 48486* 48487* 65834* 65835* 84397*
Great Britain 83581
Italy 23634
Netherlands 6742*
Pacific Northwest 84396
South Carolina 57124
USSR 65838* 75249*
sterilization 22441* 75181* 75205*
storage 57107 84385 14142*
Canada 84366
controlled atmosphere 39775 39734* 75204*
diseases 14181 42463 65786 84332 84375 75194*
gas SEE Vegetables, storage, controlled atmosphere
humidity 39731
Netherlands 93673 84391*
Norway 9801*
reviews 22421
structures 84316* 84353* 84392*
temperature 39731 75152
USSR 84349*
thinning 83062*
trade 7856 7857 15360 40983 41033 49590 49641
Algeria 41004*
Austria 76537*
Belgium 94756* 94795*
Canada 7856 15360 67079
Denmark 58252*
European Economic Community 67070 49602* 58248* 58266* 58267*
Germany 7925 23630* 32416*
Great Britain 40983
Italy 7914 23604 23634 94753* 94769*
Lebanon 23609
Malta 23613
Mediterranean area 94777*
Netherlands 7864
Norway 49592*
Switzerland 7916
Venezuela 49625*
transportation 48381 84274 84332
by rail 6674 65738 84238 84242 84246 84254 84269 84280 84302
by water 14121
Europe 22363
Idaho 75139
statistics 65747
USSR 25797*
utilization 48345
varieties 17577 17582 43613 57067*
Austria 34926*
Denmark 89193*

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Item

Vegetables--Cont
varieties--cont
Florida 9859
Germany 93603*
East Germany 25815*
Great Britain 1428 14145
India 89410
Indonesia 76894
Iowa 25539
Japan 69699 9817* 42340* 69906*
Netherlands 17630* 52149*
New Mexico 17634 89162
Ohio 9858
Oregon 43638
Pennsylvania 43636 52118
Scotland 43635
Sweden 1441* 17591* 89177*
Switzerland 34602*
Tennessee 17557
USSR 17558* 60864* 69915* 69945* 69986* 76644*
Wisconsin 25869
Wyoming 6682
Vermont 86079
virus diseases 589* 16158* 42023*
vitamins 57022 86079 41074* 67130* 76639* 76644*
waste 56985 19763*
weed control 1906 17639 17666 17807 35055 43803 43844 47385 61001*
Australia 9878
Belgium 60962*
Brazil 89301*
Connecticut 89341
Florida 9897 9899 78221*
Great Britain 34132
Japan 52239*
Maine 25946
Netherlands 43832* 52322* 61000*
New Zealand 43837 78212 89269
Northeastern States 17726 52244
Switzerland 70109*
USSR 89367*
Virginia 52248
Washington 52332
Wisconsin 35044
yields
Czechoslovakia 26424*
Michigan 52854
New Mexico 89162
Pennsylvania 43636
Puerto Rico 81615
USSR 2329* 69952*
United Arab Republic 17619
SEE ALSO Root crops; Salad plants; names of vegetables; and UNDER Greenhouse culture

Vegetation 699 33496 60593 61288 71325 33463* 35182* 52648*
Africa 57851 41238* 41315* 77323*
Alabama 10597
Algeria 12087*
Arctic Region 59322
bibliographies 58536
Argentina 50578*
Australia 18209 58488 61301 61478 76848
Brazil 59862 33462*
Caroline Islands 41296
China 15640 18187 26164 76886

Item

Vegetation--Cont
Clipperton Island 86409
Congo 87190*
Czechoslovakia 58* 23880* 76849* 76875* 86344*
Danube Basin 47*
Denmark 23887* 58568*
desert areas 60553
Eniwetok Atoll 60090
Estonia 15648* 32719* 41274*
Europe 58558*
Finland 67365 23924* 49957* 67314* 67388* 68130*
France 26142* 78414*
Gaspe Peninsula 26111
Germany 8164* 16256* 16257* 42105* 86348*
Ghana 15637
Great Britain 32681 59266
Great Plains 25475 61282
Hungary 23870* 42127*
Illinois 41262
India 41306 41335 42114
Indiana 38002
Iowa 52664
Iran 15645*
Ireland 33467 8139*
Israel 33507
Italy 23884* 24499* 41264* 59335* 59345* 86289*
Japan 24515* 33511*
Kansas 26286
Mali 86293*
maps 49923 49928 49941 58496* 76829* 76838* 76839* 76840* 76860* 76863* 76868* 76870* 76871* 88682*
Australia 58488
Belgium 86351*
California 49980
Congo 44079* 49944*
Czechoslovakia 8151* 76821* 76843* 76844* 76846* 76861* 76865* 76866* 76867* 76877* 76881* 76884* 76887* 76888* 77352*
Estonia 41261*
France 66327* 66839*
Germany 42098*
India 41250 59312
Japan 32694*
Rumania 86318*
Rwanda-Burundi 35245*
Southern States 67313
USSR 41255* 41308*
Venezuela 49933 8136*
Marshall Islands 17
Mauritius 58489*
Mexico 50644 50004*
Montana 61047
mountain areas 23870* 42127* 68133*
Nebraska 89573
Netherlands 8658 8659 8131* 8153* 8169* 86315*
New Mexico 49982
New Zealand 44086 44463 89532
Nigeria 77319
Norway 59322 67166
Peru 15658* 42201*
Poland 9981* 41291*
Republic of South Africa 61 33460
Rhodesia and Nyasaland 23198 26181 58523*
Scotland 32670
Senegal 76898* 86380*
Seychelles Islands 41301
Spain 24509

Item

Vegetation--Cont
Spanish Sahara 49990*
Spitsbergen 8165*
Sudan 24511 8670*
Sweden 59314 41251* 58524* 58533* 58552*
Tavolara Island 23911*
Thailand 50617
Tropics 52639* 53055* 86342*
USSR 15657* 32628* 44114* 49996* 58521* 61266* 68196* 70405* 70474* 76864* 86350* 86360* 86377* 89472*
Utah 67374
Venezuela 94278*
Vietnam 24494*
Washington bibliographies 76827
West Africa 23907*
West Indies 23868
West Virginia 35218
Wrangel Island 67368*
Yugoslavia 49949* 87220*
SEE ALSO Astrobotany; Flora; Plants, ecology; and UNDER Photography, aerial

Vehicles 13318*
construction 21560*
Czechoslovakia 47517* 56253*
effects on soils 21671*
France 92925*
Germany 56252* 74208*
in forestry 26994 27003 13320* 13321* 18755* 30004* 83206*
legal aspects 13320* 13321* 30004* 38772* 47508* 83206*
mountain areas 56260* 83187*
operation 21671*
parts 13319 29998* 30010* 30019* 38759* 74199*
Poland 74221*
regulation and inspection 30002* 47503*
study and teaching 21756*
tests 74203*
theft 74199*
types 27167* 74212*
USSR 74213* 74242* 92936* 92951*
Veigaia 55657*
Veigaiaidae 55657*
Veils in apiculture 92266
Vein banding
grapes 77226
Vein enation
citrus 29079 33420
Vein necrosis
potatoes 585
tobacco 42039 77217* 77219*
Veins
cattle 3496* 36567*
dogs 80550
poultry 11949
sheep 20364 72847 54955* 63540*
swine 28638*
Vejovidae 4957
Velia kiritschenkoi 46987*
Veliidae 38294 47009 46987*
Vellozia 86507
Velloziaceae 86507
Velvetbeans 28199
Vending machines 83512
Veneer logs 35985 79512 79517 90401 2894* 27107* 53624* 62136*
Veneers 90408 19246* 26833*
cores 79516

Item

Veneers--Cont
costs and returns 19247*
cutting 2899 45030 79513 2894*
defects 79513 2893*
directories 36004
drying 2899 11010 2893* 2898* 19247* 27101* 53629*
equipment 79519* 90393*
gluing 79518 90400 71559* 90347* 90404*
grading and standardization 71502 79512
manufacture 11012 90406 19247* 45033* 53624*
materials 19240*
measurement 71464
moisture 2893* 2898*
preservation 19171*
properties 2899 45030 19248*
regulation and inspection 71464
seasoning 90398*
stacking 71501*
statistics 2891 79511
trade
Philippines 62130
SEE ALSO Plywood

Venereal diseases 54526
Venezuela Ministerio de Agricultura y Cria 8101* 94874*
Venino P 32523*
Venison 32441 48708 14406*
Ventilation SEE UNDER Buildings and kinds of buildings
Venturia 8305* 86967*
Venturia carpophila 257
Venturia inaequalis 475 482 41800 41864 59044 41854*
apples 377 8488 24191 41793 41795 41894 50269 50336 50347 86875 380* 8555* 24273* 41746* 59014* 67810* 77106* 86893* 86944*
genetics 50269
pears 380*
Venturia pirina 41800 8555*
Venturia rumicis 32981
Venturia tremulae 16006*
Venturicidin 16064
Vepris bilocularis 1341
Veratrum 23985 60366* 86513*
Veratrum album 4468* 62811*
Verband der Züchter des Angler Rindes 80093*
Verband Deutscher Diplom-landwirte 76462*
Verband Ostschweizerischer Landwirtschaftlicher Genossenschaften 40954* 94735*
Verbascum 135
Verbascum olympicum 77825*
Verbena 8235
taxonomy 8233 32821 32822 32823 58682 67480
Verbenaceae 86476
Verein der Zellstoff- und Papier-Chemiker und -Ingenieure 90427*
Verein Deutschschweizerischer Bienenfreunde 20972* 46699* 64149*
Verein für Vaterländische Naturkunde in Württemberg 49776*
Vereniging voor Bedrijfsvrijheid in de Landbouw 85915*

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Item

Verge J 23776*
Vergrandia n g 21082
Verkaufsgenossenschaft fur Gartnerische Produkte 94113*
Vermiculite 2094 10038 18167 70247 70257* 78279*
Verminosis 11225 11308 36357 45314 53819 19470* 19552* 28094* 53909* 54018* 62419* 62446* 62447* 71784* 90614*
asses 63175*
cats 20041 28065 54502 91188 63037*
cattle 3553 91997
Australia 27707
control 3479 3497 11606 62784 80185 11660*
Czechoslovakia 36674*
Georgia 62721
Ireland 19849
Italy 80273*
resistance 11670
treatment 19794 80303 80451*
USSR 62874*
control 11328 54025 63142* 71788* 71838* 79903* 90611* 90706*
Costa Rica 53839*
dogs 91250 62420*
Bermuda 20041
control 46138*
Hawaii 54502
Latvia 63037*
Sicily 80539*
treatment 28051 28061 36831 45790 91216 27393* 91204*
USSR 63074* 63079*
ducks 20262* 28260* 72654*
eradication 79900*
fur-bearing animals 28075* 28079*
geese 28331 20262* 37020* 72654*
goats 20399 63448*
hamsters 3807
horses 20399 20629 45845 54620
immunization 54337
India 27432
mice 80679
Northern Ireland 3167
poultry 54739 53909* 72682*
control 11938 4276* 54807*
diagnosis 63330*
transmission 28319*
treatment 91502*
Republic of South Africa 19490
research
statistical methods 62367
resistance 54015
reviews 4589 53970
ruminants 11261 11357 36254 79759 19546*
sheep 28499 46139 46157 72877*
Australia 63506
control 3497 11606 20366 20379 36254 37246 54911 4148* 20403* 37220* 46138*
Australia 81045*
Canada 37219
Great Britain 54949
USSR 72838*
Czechoslovakia 36674*
diagnosis 28506
Georgia 12109
Great Britain 81027
Ireland 19849

Item

Verminosis--Cont
sheep--cont
Italy 81049*
Poland 28505*
prevention 72885*
Republic of South Africa 4139 63497
treatment 12120 19794 37217 37249 46158 54928 54945 63442 72851 72884 81054 81068 91727 72877*
USSR 63448* 63455* 63461* 63479*
swine 37409 63625 4276* 46259* 63660* 63670* 81246*
Switzerland 45305* 53924*
transmission 4533 62420* 62425*
treatment 90692
USSR 79944*
wildlife 27330
SEE ALSO names of worms
Verminous dermatitis 72167*
Vermont Agricultural Experiment Station 6345
Vermont Dairy Industry Association 56620
Vermont Farm and Home Science 7753
Vernalization SEE UNDER Insects; Leaves; Mites; Seeds
Vernolic acid 66136 84807
Vernonia 58586* 58626*
Vernonia anthelmintica seed oil 66136 84807
Vernonia baldwini 16795 24977 89337
Verona Salone della Macchina Agricola 82989*
Veronica 107 25779 58648 67381
Veronica ferganica 15788*
Veronica filiformis 25891 17679* 24517* 41443*
Veronica latifolia prostrata 8194*
Veronica prostrata SEE Veronica latifolia prostrata
Veronica rubrifolia 15788*
Veronica serpyllifolia 67471*
Verrucaria 8306*
Verrucaria microspora 60203
Verrucaria mucosa 60203
Verruga peruana 71931*
Versailles Station Centrale de Génétique et d'Amélioration des Plantes 8849*
Versene SEE Ethylenediaminetetraacetic acid tetrasodium salt
Vertebrae 20092 45595 54557
Vertebran 72309*
Vertical integration 23254 23264 23278 23305 23309 40544 57940 76086 76116 23252* 23576* 31983* 66695* 85500* 94371*
California 66627
Canada 40543*
conferences and congresses 23247
Europe 32001* 85938*
Germany 49227* 83409* 83429*
SEE ALSO Agribusiness; Farms and farming, contract; Horizontal integration; Markets and marketing; Processor-grower relations; and SUBHEAD industry, vertical integration UNDER names of animals and crops
Verticicladiella 24377 77012

Item

Verticillium
biochemistry 60332
cherries 16049
cotton 8443 24328 8485* 15970* 24352* 86737*
Dianthus caryophyllus 67903
Geranium 50365
hops 67825 67919
Mentha 67775 67886
ornamental trees 15984
peaches 16049
plums 16049
potatoes 86790
shrubs 15984
strawberries 52001
tobacco 8484 24279
tomatoes 18113
Verticillium albo-atrum 421 479 8423 24256 50402 58927 67860
alfalfa 41818
anatomy and physiology 33937 34152 42609
Aphelandra squarrosa 50377*
cotton 50399
cowpeas 59066
eggplant 1871
genetics 50856
grapes 41908*
hops 41900
okra 59066
potatoes 16065
strawberries 41841
trees 50362*
Verticillium dahliae 59037 16079* 24263* 33147* 50395* 59018* 67768* 67844* 67871* 67878* 86738*
anatomy and physiology 67888*
apricots 58928*
cotton 16083* 59080*
Verticillium theobromae 33265
Verticina SEE Cylindera (Verticina)
Vesical hernia 72196*
Vesicular exanthema 20499 79939 90749 91828 11326*
Vesicular stomatitis 27342 45288 73166 79939 90665 90749 11326*
virus 54006 54016 62383 79854 79872
Vespa crabro 12973 21320 38419
Vespa vulgaris 38061
Vespidae
Australia 82599*
breeding places 5286
Canada 47091
Caucasus 38401*
Ethiopian Region 29616*
habits and behavior 4929 5269 38387*
India 29617*
migration 21316
parasites 55900 82646
Tasmania 82599*
taxonomy 29585* 64537*
types 55877
USSR 29600* 73780*
Vespinitocris 92346*
Vespomorpha n g 47115*
Vespula 55881 29600*
Vespula arenaria 82646
Vespula germanica 47079 73777 82610*
Vespula pennsylvanica 4584
Vespula vulgaris 55890* 82610*
Vestlandske Kjøpelag 93067*
Vetacalm 91050*
Vetaformaceae 58747
Vetame SEE Triflupromazine
Vetch 89649*
anatomy and physiology 16538 24794 26101* 68396* 87654*

Item

Vetch--Cont
biochemistry 34320*
breeding 25459* 59522*
culture
Algeria 25459*
Australia 43264
Bulgaria 89669*
Germany 1590*
East Germany 34497*
Japan 88632* 88633*
USSR 43298* 69552* 71646* 88627* 89668*
cytology 16355* 77415*
feed 54909* 71646* 89669*
fertilizers 2320* 78595*
fungus diseases 86930*
germination 24794
harvesting date 1589*
hybrids 17188 68432 77415*
injuries 41622*
inoculation 61226
morphology 59355* 59522* 68396*
planting 77960 1589* 59355*
seeds 1590* 43298* 88249*
varieties 1565 69503* 69599* 69615* 87654*
weed control 89286
yields 2320* 88582*
SEE ALSO kinds of vetch
Veterinarians 27384 45277 90685*
and civilian defense 3154 3210 27313
Denmark 36267* 53907*
directories 36286 79743 79845*
Canada 79845*
Germany 3116*
New York 45317
Norway 11305*
Wisconsin 71864
education and training 79852 53963* 54832* 62412* 90684* 90732*
fees 19437 36299 45241 36262*
France 3089
Germany
East Germany 53875*
Italy 19566*
Norway 19534*
occupational diseases 62468 3151* 36348* 36541* 53838* 53875* 79826* 80656* 90583* 90703* 90762*
Sweden 54031*
Veterinary Annual 3207
Veterinary hospitals 3182 11342 46398 53851 71795 71863
associations 79742
conferences and congresses 71718
Germany 11216*
Netherlands 27344*
Poland 71816*
Veterinary laboratories 3108 19489 27435 27692 36775 45346 72638 79772 79805 79886 79891 79924 81562 90623 90631 90752 91055 91303 27980* 45303*
Bulgaria 3204*
conferences and congresses 79773 90797
France 62485
Germany
East Germany 27431* 55073*
Great Britain 27316 79913
Hungary 27450*
Iowa 3203

*Text of this reference is not in English.

Item

Veterinary laboratories--Cont
Latvia 19507*
USSR 3145* 28630* 79944* 90584*
Veterinary medicine 3153 3217 19447 19572 71676 71862 3170* 11284* 19449* 28023* 36342* 54021* 79918* 90667*
armed forces 53938 71854 79828 11374* 36248* 45243*
as an occupation 3201 11350 27462 36264 45258 45362 54029 71868 53935*
associations 11295 90736 90761
Argentina 19542*
France 45340*
Great Britain 79751
Hungary 27464*
Italy 62343* 71834* 71836*
Australia 3078
Austria 53903*
bibliographies 3115 79954*
Brazil 76684 79943*
British colonies 3149
Colombia 27212*
conferences and congresses 53899 71685 79742 79744 79929 83465 90592 90738
Argentina 19558*
Australia 79746
Belgium 3084*
directories 53898*
Germany 11234*
Great Britain 71739
Italy 71835* 79902* 79909*
Japan 27369* 79824*
New Zealand 3208
Republic of South Africa 19574 36334
Venezuela 53853 62353*
credit 57719
Czechoslovakia 62374* 62390* 79874*
developing areas 54064
diagnostic methods 3113 45346 79773 79891 90571 90588 90593 90623 91831 36696* 45767* 45843* 71764* 72302* 72683* 72989* 80277* 80338*
conferences and congresses 90597
dictionaries 62470 19508*
drugs 3102 4514 11941 19539 19577 28045 32517 36904 45278 45308 62890 63378 79931 90670 90741 91003 91207 91262 91486 91852 19529* 27408* 27426* 36779* 45369* 53990* 54040* 71745* 72226* 80884* 90667* 90673* 90701* 91516*
administration 3889 11354 11562 11606 54668 62335 80245 27303* 27751* 72117*
Austria 53888*
Canada 79807* 90642*
Czechoslovakia 79946*
Denmark 54362*
Germany 3083* 11216* 11228*
Great Britain 37245
history 28104* 62397*
Italy 19533*
Kenya 27708
New Zealand 11271

Item

Veterinary medicine--Cont
drugs--cont
prices 62392
residues 3136*
reviews 3079 11935 19607 27335*
USSR 36352* 36637* 36823* 62800* 90706*
Ecuador 19520*
equipment 3588 11281 11593 11761 19468 19515 20040 20413 27455 28041 53834 54528 62346 62493 71725 79759 80839 80840 90728 90973 91076 3462* 19458* 36234* 36300* 45295* 45350* 53881* 54326* 62360* 62403* 62477* 62809* 62916* 71787* 72145* 79831* 90653* 90691* 91247*
Australia 12288
Denmark 45272*
Germany 55121* 62945* 71776*
East Germany 36230* 45704*
Hungary 19584* 71769*
Netherlands 54264*
reviews 45261*
USSR 3080* 11346* 11985* 19519*
Estonia 45296*
ethics 79880 3103* 11221*
France 71814*
Germany 90731*
East Germany 79757* 90696*
Great Britain 3207 27316 27401 62354
Greece 45294*
history 8022 11238 11316 36781 53865 79786 79769 90574 54266* 71752* 71757*
Bulgaria 45250*
Canada 27467 71767
France 90634*
Germany 45328* 62373* 90703*
Great Britain 45241
Italy 45343* 54014*
Republic of South Africa 11214
USSR 36344 36353 45300 71783 71845 27452* 62369* 71782* 90645*
Hungary 71805*
illustrations
bibliographies 79951
Israel 45294*
Italy 53874* 71817*
Kenya 27379
Korea 62395
legal aspects 27349 27352 27388 45276 71773 62807*
legislation 3118 54030* 62400* 71752*
Netherlands 11283*
New Zealand 90721*
Nigeria 3164 3165 62434
Norway 3169*
Ohio 19603
periodicals
bibliographies 90760
Poland
reviews 62495*
policies and programs 62336 90736
Czechoslovakia 53928*
Germany 71711*
Great Britain 36311
Hungary 54022*
USSR 79788*

Item

Veterinary medicine--Cont
practice 3201 3463 3512 4294 11844 19598 20070 27407 28116 36895 45219 45238 45240 45267 45333 45823 46045 53814 53843 53941 54435 62347 63153 71777 71795 71807 71824 80413 90496 90578 90688 91224 91260 91273 91275 91344 3172* 3436* 11269* 19463* 20079* 53980*
Bahama Islands 45792
Brazil 45741*
California 19578
Denmark 27440* 36267* 45363* 62432* 62439*
European Economic Community 36311
Germany 19484 63322* 71829* 91860*
East Germany 27431* 71624* 91138*
Great Britain 3171 4254 80585 90606
Hungary 72648*
Ireland 3171 28101
Italy 45378*
Latin America 3095 36237
Lithuania 3117*
Netherlands 54832*
New Zealand 11271
Scandinavia 91287*
Switzerland 71883*
Texas 19852
USSR 19495 19433* 28309* 71712* 71815*
public health aspects 3160 12414 30604 36298 37038 53910 53960 79816 79851 79936 90736 90747 6954* 19497* 19586* 31299* 36271* 36340* 53828* 53861* 53869* 53904* 53921* 53944* 53945* 54041* 62345* 62458* 71747* 79738* 90676* 90791*
Austria 36284* 54782*
Brazil 36241*
Denmark 48675*
Germany 13508* 27448* 54000* 75447* 79830* 90626* 90731* 93355*
East Germany 36283*
Italy 71834* 90620*
Netherlands 62429*
Poland 71866* 90659*
reviews 3079
Switzerland 79813*
Tropics 62361*
public relations 3135
regulation 19440* 71829*
research
statistical methods 3114 90593
reviews 3079
Rhodesia and Nyasaland 3168
services 3188* 19509* 45301* 53786* 53828* 54005* 83448*
Asia 79776
Austria 53920*
Brazil 53848*
Canada 90568 19429*
Czechoslovakia 53896* 80436* 90636*
Denmark 45255* 45256*
Europe 79776
France 45268*

Item

Veterinary medicine--Cont
services--cont
Germany 11385* 28281* 36312* 36571* 37895* 45636* 72988* 93355* 93968*
East Germany 54415* 71774* 71825* 79639*
Great Britain 79913 90637 91132
Hungary 20243* 27363* 53943* 71733* 79783* 90601*
India 45379 79969 79971
Ireland 3106
Italy 3205* 71856*
Montana 11296
Netherlands 62593 72158
Norway 62456 36304*
Poland 79894* 90619* 90659*
Rhodesia and Nyasaland 19535
Spain 56734*
Switzerland 37373*
Uganda 79927
USSR 11213* 19523* 36206* 53887* 54828* 79737* 79741* 90565* 90754*
Venezuela 90804*
Yugoslavia 27465 53946
situation and outlook 3193 53816 62391 90596 90622 90641
study and teaching 27328 27332 27373 27438 36347 45313 53905 62522 79758 79878 90627 11362* 27428* 36258* 45253* 45274* 45303* 53822* 62448* 79791* 90694*
Africa 62414
Belgium 36307*
Brazil 45253*
Canada 11332 19531 36308 79802 27424*
Colombia 85882*
conferences and congresses 15275 71762
Czechoslovakia 53868*
France 11273* 71759*
Germany 3215* 71727* 80813*
East Germany 79953*
Great Britain 72353
history 19573 62472
Illinois 53867
Italy 3120* 62445*
Michigan 19460
Netherlands 62352*
Philippines 62416
Poland 53952* 90619*
Republic of South Africa 79884 36227* 79895*
Switzerland 79766*
Turkey 11241*
USSR 53926* 62402* 79803* 90675*
Sweden 54031*
Tanganyika 3199
technique 3092 3108 3181 3471 4127 11544 11703 20309 20496 23888 27955 27994 36270 36273 36310 36723 36806 45854 53860 71841 72329 79763 79792 80458 3654* 3772* 11933* 19457* 27305* 27472* 27731* 36773* 37037* 37346* 37369* 45775* 53916* 53925* 62334* 62368* 62492* 62719* 62825* 71842* 72199* 72405* 72908* 80420* 90683*

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Item

Veterinary medicine--Cont
technique--cont
reviews 45283
terminology 79825*
USSR 19487 19505 19506 19550 19556 19597 79768 79867 79906 79915 79957 90612 53923* 62402* 71815* 79823* 79899*
United Arab Republic 3147* 62490*
SEE ALSO Anesthesia; Autopsies; Immunization; Injections; Obstetrics; Sedation; Surgery; Sutures; names of diseases, drugs, operations, organisms, and therapeutic methods; and SUBHEADS diseases, and classes of diseases; parasites; surgery UNDER names of animals
Veterinary nurses 27374
Veterinary technicians 19553 27317* 91041*
Vetidrex 36548* 45556*
Vetiver oil 14479
Vetivera zizanioides 58966
Vetomazin 11826*
Vial de St Bel B C 86200
Vianaididae 82511*
Vianodes 5023*
Vibrio 36561
Vibrio bubulus 3535 62789* 72166*
Vibrio fetus 3293 3535 11651 19502 19604 19864 27567 28474 36356 37259 54306 62603 62846 80261 3433* 19843* 36543* 54270* 62789* 72166* 72253* 90676* 91137*
reviews 28466
Vibrionic dysentery 46235
Vibriosis
cattle 3293 3535 11651 27567 36561 45643 62846 80261 90982 3431* 45637* 54270* 62789* 72165* 91051*
control 62603
diagnosis 91023 3433* 45570* 72144* 72166* 72253* 91137*
reviews 27703
transmission 36543* 54326*
treatment 19864 19843*
man 90678*
sheep 4145 28474 37259
reviews 28466
Vibroscope 30820
Viburnum 9703 17472 50683 89008
Viburnum dilatatum 92518*
Viburnum lantana 16789*
Viburnum opulus 16789* 51471*
Viburnum suspensum 59840
Viburnum tomentosum plicatum SEE Viburnum tomentosum sterile
Viburnum tomentosum sterile 33923
Vicia SEE Vetch
Vicia atropurpurea SEE Purple vetch
Vicia ervilia SEE Bitter vetch
Vicia faba SEE Broadbeans
Vicia pannonica SEE Hungarian vetch
Vicia villosa SEE Hairy vetch
Victoria amazonica 89061
Victoria Chamber of Agriculture 40880

Item

Victoria Country Roads Board 47714
Victoria cruziana 89061
Victoria Dept of Agriculture 33142
Facial Eczema Field Station 54927
Live Stock Div 54927
Mallee Research Station 23848
State Research Farm Werribee 58472
Tatura Horticultural Research Station 88824
Victoria Dried Fruits Board 65823 93672
Victoria Forests Commission 2576 70984
Victoria Soil Conservation Authority 78966
Victorian Year Book 75971
Victrix 73858
Vidal 2595*
Vienna Bundesanstalt für Pflanzenbau und Samenprüfung 43077*
Vienna Bundesanstalt für Pflanzenschutz 58906*
Vienna Forstliche Bundesversuchsanstalt Mariabrunn 94861*
Vienna Hochschule für Bodenkultur 8222* 10543* 10628* 44570*
Vienna Samenkontrollstation 48896*
Vienna Versuchsstation für das Gärungsgewerbe 83706
Vietnam Commissariat General for Cooperatives and Agricultural Credit 15342
Viets K H 67208* 67214*
Vigna SEE Cowpeas
Vikane SEE Sulfuryl fluoride
Vilangin 1374
Vilani Selektsionno-Opytnaya Stantsiya 9443*
Villa 73694 38180*
Villa circumdata 73718*
Villa hottentotta 73718*
Villa niphobleta 73718*
Villages 66390*
Bulgaria 15174*
France 15177*
Germany 40791* 66390* 74263* 76376*
East Germany 66934*
Great Britain 85739*
India 10423 15249 57623
Latvia 23441*
Mexico 7355
Netherlands 94574*
Poland 66886*
Taiwan 58121
USSR 40283 40626*
SEE ALSO Pilot villages
Villemot J M 41199
Villiersicoris 64510
Villososomatidia SEE Somatidia (Villososomatidia)
Vinasse 48931* 80131*
Vinca 8722 9942* 34300*
Vinca herbacea 25233 34310*
Vinca major 9135* 9963* 42957*
Vinca minor 9135 9229* 61029*
Vinca rosea SEE Lochnera rosea
Vincetoxicum 68294*
Vinegar 65956 74612*
analysis and composition 93230 6128*
manufacture 6141 30419 6140* 21949* 30388* 48478* 83623* 93229*
Vines SEE Climbing plants; Grapes
Vineyards SEE UNDER Grapes

Item

Vinyl alcohol 59834 11020*
Vinyl ethers 48821*
Vinyl ketones 75530
Vioform SEE Iodochlorohydroxyquinoline
Viola 59699 60855 67429 76981 15800*
Viola grypoceras 32780*
Viola kitaibeliana rafinesqui 24019
Viola occulta 76971*
Viola odorata 55790*
Viola parvula 76971*
Viola rafinesqui SEE Viola kitaibeliana rafinesqui
Viola tricolor 68265*
Viola tricolor hortensis 25782*
Viola wittrockiana 24601*
Viosca P 76736
Virgilia oroboides 27148 71543
Virgin Islands Dept of Agriculture and Labor 94872
Virginia Academy of Science 41147 41148 67170
Virginia Agricultural and Mechanical College 23466
Virginia Agricultural Experiment Station 49884
report 32612
Virginia Beef Cattle Improvement Association 3253
Virginia Feed Convention and Nutrition Conference 63138
Virginia Forests 44614
Virginia Horticultural Society 88825
Virginia Polytechnic Institute 32192
Agricultural Extension Serv
publications 32230
Dept of Forestry and Wildlife 53139
School of Agriculture 7561
Virginia State Apple Commission 84253
Virginia State Dairymen's Association 56621
Virginiamycin 54737 63279
Viridin 41780
Virucides 55124 79945
Virus A
mandarin oranges 24442 33404
potatoes 33366* 42422*
Virus A 37020 80864*
Virus B
cabbage 55438
Chrysanthemum 77229
Virus F
potatoes 77237*
Virus 4
cucumbers 8577 50471
sugar beets 63877
Virus G-UP 54303*
Virus M
potatoes 77229 50503*
Virus P
radishes 59169 584*
Virus R
radishes 584*
Virus S
potatoes 77229
Virus 3
beets 73214* 81670*
cucumbers 50471
Virus 2
cucumbers 42046*
Virus X
potatoes 542 565 572 8609 17554 24407 24418 24421 24437 33400 41987 43597 43663 50512 52100 50500 55380 55438 68029 73191 16113* 50468* 50519* 59114* 68030* 87022* 87041*

Item

Virus X--Cont
tobacco 50482
tomatoes 87075*
Virus Y
potatoes 555 1846 8609 20699 24407 24429 24437 33370 37670 41965 41987 41994 43663 81626 82565 16112* 16113* 25806* 33366* 33402* 41968* 42014* 42422* 46518* 59185* 77216*
tobacco 50482 59189
Virus Y^N
potatoes 16117*
Virus abortion
horses SEE Rhinopneumonitis
sheep 37236 37251 81050 81118 12136* 28468* 72827* 81126*
Virus diarrhea 3523 27803 54402 72212 91042
cattle 54316 72169
mice 54685*
swine 81320
vaccines 11564 91141
virus 11564 80304 81320
Virus diseases SEE names of diseases; and UNDER Livestock and names of animals; Plants and names of plants
Virus hepatitis 3925 20253 23525 45962* 54756*
Virus pneumonia 28631*
cattle 19893 11668*
sheep 37228
swine 4268 4277 28701 46242 55116 73030 28631* 28640* 28698* 55071*
reviews 4279*
Viruses 90750 62424* 62437*
chemistry 36317 90994
reviews 33397
cultures 3926 3931 11248 19587 53971 54843 82102 91873 3086* 4247* 11286* 33422* 46284* 54002* 54751* 86996* 87034*
hydrogen-ion concentration 12152*
identification 55341 55352 79940 28325* 55381*
inhibitors SEE Virucides
lyophilization 16114 11288* 28316* 50470*
morphology 16130 16145 46039 59163 80381 28305*
properties 594 16125 16126 16145 16161 20212 33399 37031 37087 45323 45359 46036 46253 50465 54628 54806 55335 62491 68024 72210 80858 91519 3110* 11285* 12250* 19592* 24426* 72665* 73132* 80864*
reviews 16122 20038*
proteins 545 3959 8597 8615 16149 19453 33376 33389 38242 87044 16111* 16139* 42040*
purines 16157
reviews 91028 45364*
storage 37500*
taxonomy 3081 29252* 91825*
transmission
by arthropods 4507 53885 55335 55336 55341 55352 81572

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Item

Viruses--Cont
transmission--cont
by insects 4557 28941 28942 37533 46394 55188 55207 55234 55258 55301 63818 73282 4670* 12466* 20626* 55282* 55381* 63789* 73109* 81391*
by ticks 20643* 73132*
by wildlife 54016
viability 19563 36406 3892* 11656* 14388* 36565* 53845*
SEE ALSO names of virus diseases, and names and groups of viruses
Viscera
buffaloes 27828
dogs 20003*
geese 37056*
goats 72840*
poultry 80897 46026* 80869*
rabbits 20309*
sheep 63439* 91833*
Viscosimetry 31120 47911 14615* 27117* 80229*
Viscum album 52188 9901* 9942* 9948* 34142* 43848* 79232* 89294* 92497*
Vismia 58640
Visna virus 20420
Visual aids 23478 32226 40841 40911 51878 58167 70168 15450* 94702*
directories 32227
SEE ALSO Audio-visual aids; Films; Motion pictures
Vitaceae 58670*
Vitamin A
determination 48982 75556 93046 93922 48128*
grading and standardization 30694
in animal nutrition 3050 19374 36195 53808 71661 36180*
in animal physiology 11260 62333 11356* 19544* 36180*
in blood 4113 12000 27658
in butter 74752
in cattle nutrition 11478 19724 27650 27680 36511 36531 45486 54143 54182 62692 80108 80109 80156 80163 11517* 54188* 71999* 72249* 91024*
in cattle physiology 27832 72088 80414 27730* 36679* 80048*
in eggs 46074* 72525*
in feed 48128* 48133*
in goat physiology 28645*
in hay 74935*
in human nutrition 94811
in laboratory animal physiology 54668 63190
in margarine 75556
in milk 54367 54188* 65501* 83870*
in mink nutrition 20051 20052
in poultry nutrition 11899 28192 28352 45943 72493 72564 72576 72591 91386 11914* 72555* 91441*
reviews 54802*
in poultry physiology 11948 12000 20260 20276 46018 12006* 28271* 63269*

Item

Vitamin A--Cont
in rat nutrition 36929
in rat physiology 63195 11857* 45853*
in sheep nutrition 37229 91666
in sheep physiology 4111 72779*
in swine nutrition 27650 55039 55049 81197
in swine physiology 12262* 12278*
in turkey nutrition 11919
isomers 53808
Vitamin A aldehyde SEE Retinene
Vitamin B
in animal nutrition reviews 71710*
in cheese 86088
in feed 71659
in food 49716
in fox physiology 80601*
in grain 14286*
in insect nutrition 82424
in milk 32477* 74730*
in plants 1216
in poultry nutrition 80777*
in ruminant nutrition 79697
in swine nutrition 28615
in turkey nutrition 11891
Vitamin B_1 SEE Thiamine
Vitamin B_2 SEE Riboflavin
Vitamin B_3 SEE Nicotinamide
Vitamin B_6 SEE Pyridoxine
Vitamin B_{12} 25225
determination 27260* 36611*
effects on plants 1284
in animal nutrition 11182* 27260* 27264*
in cat physiology 80531*
in cattle physiology 90968*
in dairy products 22100* 67134* 74869*
in dog physiology 80531* 91231* 91232*
in feed 74928*
in food 41073*
in horse physiology 3781
in plants 51142
in poultry nutrition 54721 80768 11876* 12208* 28594* 36977* 80727* 80868* 91400*
in poultry physiology 54820*
in rat physiology 54673
in sheep nutrition 12088
in sheep physiology 63450 54900*
in soils 61113*
in swine nutrition 12205 37319 46208 4231* 12208* 28594* 46212* 91798* 91808*
in swine physiology 12205
synthesis 90608 31097*
Vitamin B_{15} 91418*
Vitamin C SEE Ascorbic acid
Vitamin D
in animal nutrition 3032*
in animal physiology 11279
in blood 63451
in cattle nutrition 27621 36492 11517* 54188*
in poultry nutrition 28234
in sheep physiology 54947
in swine nutrition 72937*
Vitamin D_2 27865* 72779*
Vitamin D_3 3862 62550 63341 72646 81001 28201*
Vitamin E SEE Tocopherol
Vitamin K 20170 24783 30728 63000 28389* 91176*
Vitamin K_1 88167 60334*

Item

Vitamin K_3 SEE Menadione
Vitamin K_5 47805 56982
Vitamin P 23706 41074* 58348*
Vitamin PP SEE Nicotinamide
Vitamins 41052
bibliographies 19419
determination 21775
effects on hatching eggs 46064*
effects on plants 42855 51336 59883* 59963* 61200* 68971*
in animal nutrition 19417 19419 62302 62325 19394* 27279* 27281* 45187* 45202* 53775* 62278* 79729* 80688* 90555*
in animal physiology 11266* 54738*
in cattle nutrition 36587* 45478*
in cattle physiology 62862*
in coypu physiology 36855*
in dog physiology 28050
in human nutrition 41045 41052 49725 67119 49665* 67115*
in insect physiology 47200
in poultry nutrition 3878 11898 45933 80753 28220* 72500* 72584*
in swine nutrition 12196* 72500*
in turkey nutrition 72505 80729
in turkey physiology 3971
synthesis 63450 90968*
SEE ALSO names of vitamins; and UNDER specific subjects
Vitellenin 11630
Vitellin 28306 28269*
Vitestrol 63216*
Viteus vitifolii SEE Phylloxera vitifoliae
Vitex 8231 8232
Vitex agnuscastus 43023*
Vitex parviflora 71055
Vitis 16937 76961* 87388*
Vitis rupestris 8855*
Vitis silvestris 34686*
Vitis vinifera SEE Grapes
Vitkas 62689*
Vittaria 59370
Vizern test 31353*
Vleeschauwer A de 41158*
Vocal cords 11786 19984*
Vocational guidance 23076 49498*
Vocational training 40809
Vogtia n g 29708*
Volatile substances 51412 59057
determination 75507*
effects on insects 5045
in cheese 39287 65402 65420
in containers 83869*
in cream 83810
in food 13513 93032*
in fruit 14059 14060 30956 48456 57107 57115 57324 84222 84365*
in grain 22532
in insects 64511
in meat 22580
in milk 22107 74733 83810
in molasses 94061*
in plants 45095 60329 1217* 60112* 60150*
in seaweed 9272
in silage 65569
in tobacco 40214
in trees 55596

Item

Volatile substances--Cont
in vegetables 22341 65706
in wine 30393* 93236*
Volcanic soils
British Cameroons 8667
Chile 70254*
Italy 7635* 60686*
Japan 18227 52568 68195 10090* 34403* 61080* 61377* 70566* 77735*
Lesser Antilles 87173
Luxembourg 44095*
Mexico 24495
New Zealand 27639 42130
Portugal 70234*
Spain 17930*
Voles SEE Mice
Volucella inanis 5060
Volucella zonaria 5060
Volumenometry 17881 66257 2522* 14633* 83363*
Volvaria volvacea 9299
Volvocales 32903 33910 58758*
Voriini 5161
Vorlex 41929
Voronezh Gosplemstantsiya 36403*
Voronov A G 67211*
Voropanov P V 26763*
Voss B 23801*
Vrestovia n g 38368*
Vries P de 8061*
Vriesea SEE Vriesia
Vriesia 32858
Vriesia montana 118
Vriletta 82271
Vserossiiskaya Sel'skokhozyaistvennaya Vystavka 49849*
Vsesoyuznaya Nauchno-Prakticheskaya Konferentsiya po Problemam Veterinarnoi Sanitarii 6012* 6982*
Vsesoyuznoe Botanicheskoe Obshchestvo Palinologicheskaya Komissiya 41278*
Vsesoyuznoe Nauchno-Tekhnicheskoe Soveshchanie po Zashchite Vinigrada ot Bolezznei i Vreditelei 8403*
Vsesoyuznoe Soveshchanie po Immunitetu Rastenii k Boleznyam i Vreditelyam 86644*
Vsesoyuznoe Soveshchanie po Proizvodstvu Kukuruzy 51702*
Vsesoyuznyi Institut Eksperimental'noi Veterinarii 36344
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Agrolesomelioratsii 26969*
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Ekonomiki Sel'skogo Khozyaistva 7363* 57643*
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Maslichnykh i Efiromaslichnykh Kul'tur 43316
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii 33108*
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii 24163*
Vsesoyuznyi Selektsionno-Geneticheskii Institut imeni T D Lysenko 87409* 87440* 90808*
Vsesoyuznyi Sel'skokhozyaistvennyi Institut Zaochnogo Obucheniya 79983*
Vulgarin 60314
Vulvitis 4149
Vulvovaginitis SEE Coital exanthema

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Item

W6658 89370*
Wade J S 8043 15557
Wädenswil Eidgenössische Versuchsanstalt für Obst-Wien- und Gartenbau 25545*
Wageningen Centrum voor Landbouwpublikaties en Landbouwdocumentatie 40528*
Wageningen Instituut voor Bewaring en Verwerking van Landbouwprodukten 39777*
Wageningen Instituut voor Bewaring en Verwerking van Tuinbouwproducten 93673 84391*
Wageningen Instituut voor Cultuurtechniek en Waterhuishouding 10434*
Wageningen Instituut voor Graan Meel en Brood T N O 75366*
Wageningen Instituut voor Landbouwtechniek en Rationalisatie 13160* 40560* 49071*
Wageningen Instituut voor Plantenziektenkundig Onderzoek 24181*
Wageningen Instituut voor Tuinbouwtechniek 9567*
Wageningen Internationaal Agrarisch Centrum 32613
Wageningen Landbouwhogeschool 85855* 85887*
Laboratorium voor Entomologie 91944*
Wageningen Rijksproefstation voor Zaadcontrole 57496*
Wages 23081 85275 94244 94252 5956* 23093*
Bulgaria 40387*
Czechoslovakia 75951* 94241*
Denmark 14787
Europe 40369*
France 7413* 14746* 23104* 85268*
Germany 57728* 75456* 85290*
East Germany 14743* 14795* 94214* 94234*
Great Britain 14752 23084 57745
Hungary 7414* 14799* 49065*
India 31762
Japan 75956 39023* 65193*
minimum 23092
Norway 66474*
Poland 31774* 66479*
Rumania 7422* 23080* 75921* 75922* 75934*
Scotland 85280
Sweden 7450* 49104*
Switzerland 66475*
USSR 7437 57769 85292 7428* 14748* 14749* 14760* 14770* 14771* 19110* 23072* 23078* 23110* 23116* 23118* 26694* 31769* 31776* 31778* 40368* 40393* 49094* 49103* 57741* 57753* 57758* 57775* 66444* 66447* 66450* 66451* 66459* 66467* 66469* 66478* 66492* 66494* 75911* 75914* 75917* 75925* 75929* 75954* 75961* 85288* 85308* 85315* 85321* 94203* 94222* 94228* 94232* 94243* 94251* 94259*
USSR bloc 31660*
SEE ALSO UNDER Forest labor
Wagons 13185 21672 38766 56242* 92935*
Waiboer C R 15550*
Walckenaera acuminata 38033
Waldheimia 32724*
Waldmann O 15567*
Waldoia n g 32935
Walking sticks SEE Phasmatidae
Wall S 58433*
Wallace A R 23781
Wallaces' Farmer and Iowa Homestead 85867
Wallboard SEE Fiberboard
Wallis J B 86153
Walls 83227
Walnut aphid SEE Chromaphis juglandicola
Walnut Growers Association 56933
Walnut (tree) SEE Juglans
Walnut husk fly SEE Rhagoletis completa
Walnuts
cooperatives 6656
industry 6607 56933 56946 39620*
marketing 22379
processing 65752*
bibliographies 14143*
quality 92143
regulation and inspection 65752*
Walshia 5437
Walshia amorphella 82680
Walshiidae 47152 64637
Wanke's taxonometric method 91323*
Wanman C H 67194*
Warble flies SEE Hypoderma
Warburg apparatus 37025* 75346*
Warehouses 30803 39731 56915
cooperatives 30295
designs and specifications 5962 14078 65197 84316*
Georgia 40209
Germany 47836*
India 14138 47778 75146 83659 93142
labor 14138
pest control 81859
refrigerated 6026 39032 39074 57094 74539 65212* 65213* 65230* 65244*
directories 39063 47779
India 30295
Italy 65812*
Poland 93163*
Republic of South Africa 93144
Switzerland 13564*
USSR 65221 65239*
regulation and inspection 21838
Rumania 75734*
statistics 47836*
Tropics 13554
types 66215
Warfarin 31181 36822 57182 63080 80578*
Warner-Bratzler shear 39931
Warsaw Szkola Glowna Gospodarstwa Wiejskiego
Katedra Ekonomiki i Organizacji Gospodarstw Rolniczych 14670*
Zaklad Ekonomiki Gospodarstw Wiejskich 14672*
Zaklad Entomologii 73385
Zaklad Ochrony Lasu 73385
Warscewiczella flabelliformis 643
Wart
potatoes 41772 41834 17605*
Wartookia n g 4955
Warts SEE Papilloma
Wartybark Euonymus SEE Euonymus verrucosus
Washington Agricultural Experiment Station 32615
Irrigation Experiment Station (Prosser) 18559
report 76806
Washington Farm Electrification Committee 74368
Washington Forest Protection Association 10833 53463
Washington State Forestry Conference 35630
Washington State University Agricultural Extension Serv
report 40883
Washington University
Arboretum 34754 34862 43574 86354 86518 86519
Institute of Forest Products 71455
International Friendship Grove 65
Washingtonia 32866
Wasps
anatomy and physiology 64568 29621* 92544*
as parasites 92546*
as pests 12973 28841 37718 29076* 37531* 81950*
as pollinators 12318
as predators 5301 64540 82608* 82610*
control 4584
cytology 5321*
ecology 47091 82647*
Europe 64537*
Germany 29625*
Great Britain 38424 64539 73789
habits and behavior 21344 55881 64302 21348* 37903* 55890* 64161*
larvae 64570*
Maryland 55891
Mexico 47127
New Zealand 73777
parasites 5313 64275 92553 92563*
Rumania 47110
Southeast Asia 55911
taxonomy 73775
Turkey 47064*
Waste
feed 11888 63580 91448 45895* 53789* 70924*
fertilizers 89689 26356* 44534* 53093* 53097* 65040* 79041* 89635*
Water
analysis and composition 2076 2375 18431 18549 24954 24981 26426 35460 52920 61492 89524 89856 18532* 35477* 43949*
conferences and congresses 2396 2397 61501 61502*
consumptive use 969 973 1153 1201 1281 2021 2422 8954 9124 9175 10012 16536 16809 16841 17926 25080 26451 26527 33507 33865 33964 34136 35454 35722 42648 42683 42718 49924 49977 50956 50968 51034 51080 51081 51115 51166 51188 51418 51426 52439 53003 53016 59856 59881 60131 60208 60209 61042 61057
Water--Cont
consumptive use--cont 61066 61074 61107 61108 61110 61548 61997 68618 68631 68653 68730 68789 68830 68993 69021 69088 69089 69138 70169 70191 70196 70228 77489 87555 88034 9082* 10405* 17882* 17916* 24884* 26015* 26043* 26051* 26543* 35874* 42485* 59778* 59801* 60006* 61046* 61052* 61062* 61570* 61581* 68585* 68723* 68978* 70175* 70186* 70192* 70194* 70197* 70218* 77552* 77581* 77593* 78290* 87220* 87496* 87504* 89821* 89891*
bibliographies 43893
heating 56320 74371 93011 13163* 70829* 74370*
equipment 47610 65038 92876
hydrogen-ion concentration 45910
in animal physiology 63061 19538*
in cattle physiology 45703 54244 62913 54336* 62845*
in coypu physiology 80596*
in dog physiology 36818 3661*
in duck physiology 3928
in insect physiology 82854
in poultry physiology 3928 91517 91518
in sheep physiology 4104 63495 63529 81003*
in swine physiology 12254* 63631*
in turkey physiology 3928
legislation 2449 52982 61513 61573
policies and programs 10432 18476 23297 40555 40703 44419 52899 58094 61323 61587 66781 66823 70833 70834 76339 89867
Australia 35468
bibliographies 2464 35534
California 2380 2412 18541 44396 44452 61574
Canada 18466
France 66331*
Germany 35506*
Italy 70710*
Missouri Basin 70817
Netherlands 61591*
New York 18502
Tanganyika 61578
Texas 14963
Tunisia 78907*
USSR 78828*
pollution 2434 13422 17695 17735 17763 17825 23525 33460 38868 52204 52219 74373 74376 82443 4876* 8344* 28505* 37344* 42668* 45633* 54233* 59285* 73397*
reviews 61667*
purification 53774 83297 5908* 53921*
quality 10408 26415 70756 78898
research
statistical methods 70787*

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Item

Water--Cont
saline 2466 3928 16633 17925 17976 18414 18418 18443 18467 18468 18472 18473 18485 18492 18494 18508 18511 18519 18538 35491 38865 70723 70833 82491 89848 18410* 18426* 18430* 18445* 18457* 18498* 18532* 18551* 61500*
softening 21767 42676*
storage 2052 5912 18507 26532 35502 44356 70711
Australia 44375 47619 74377 83298
Germany
East Germany 43915*
Japan 26543*
Mexico 26403*
Texas 2457
supply 17695 26423 26468 35529 44416 47616 47620 47621 52931 52967 61525 61603 70768 70823
Africa 44445*
Arizona 61517
Australia 2415 18420 18444 44543 70801 89864
bibliographies 78832
British Commonwealth 18457*
Bulgaria 35489
California 2426 10377 26199 35467 53011
Canada 61555
desert areas 18473
Ethiopia 44336
farm 13422 21762 30104 38868 56323 65044 70800 74378 83297 13423* 21764*
Australia 38865
Canada 15117
Germany 65049*
East Germany 65045* 65047* 66935*
New Zealand 5910 30103
USSR 21763* 74375* 74380*
Florida 18436
for livestock 3387 4219 27256 53774 62511 81134 81228
Italy 45633* 80139*
Minnesota 52970
USSR 38866* 56104* 83299* 89831* 93017*
forecasting 10355 10394 44386 44420 52985 52990 52992
Georgia 19134
Germany 35542*
Ghana 89826
Great Britain 44368 70718 78810
Hawaii 78851
Hungary 70714*
Iran 18468
Israel 26467 71270 89848
Italy 10370* 26409*
Kansas 89910
Kenya 76663
Mediterranean area 5911
Mexico 61568* 61571*
Michigan 70784
Mongolia 78799
Nebraska 2423
Netherlands 70824 70779*

Item

Water--Cont
supply--cont
Nevada 52901
North Carolina 78911
Ohio 21767
Oklahoma 21765
Oregon 18512
Poland 78815*
Spain 61593*
Taiwan 35531
Tennessee Basin 35981
Tunisia 78907* 78908*
USSR 18492 18516 18478* 35462* 47605* 65046* 70708* 70766* 70811* 74379* 78828* 78857* 89835*
Utah 52908
Western States 78872 78900
systems 21766 18478*
underground 2439 18443 26441 26532 26500 35460 35485 44379 44386 44421 44441 52951 52959 53012 61546 61551 70711 70730 70731 78916 87899 17901* 18551* 44399* 59778* 61151* 89845*
Algeria 78795*
Argentina 69276*
Asia 18424
Australia 2466 10400 18560 61542
Austria 2384*
Brazil 35535*
California 2462 44396 52940
Canada 52910
Colorado 61492 70758
Denmark 35874* 61994*
desert areas 18538
Florida 18515
France 17916*
Germany 10023* 18545* 35543* 71141* 71301*
Ghana 89826
Hawaii 35513
Hungary 26457* 61530*
India 10408 26503 35522 44448 52918
Indiana 61585
Iran 18549
Iraq 18475
Ireland 78791
Italy 10371*
Japan 35095*
Mexico 2390* 61571*
Minnesota 77329
Montana 61532
Nebraska 52956
Netherlands 61487*
New Mexico 10372
New Zealand 10383
North Africa 18424
North Carolina 70486
North Dakota 2382
Poland 42101*
research
statistical methods 18429
Rumania 26452 26442*
Sardinia 35527*
Sudan 18475
Syria 18431
Taiwan 1181*
USSR 18424 26042* 44327* 44395* 61836* 61991* 70708* 70748* 70811* 70838* 71125* 83299*
Utah 52914
utilization 7407 55365 58091 80907
Canada 61555
China 66858*

Item

Water--Cont
utilization--cont
conferences and congresses 76322
Hungary 53006*
Israel 70720 44450*
USSR 78854*
waste 2381 53091 26263* 53921* 66220* 70821* 78815* 89897*
SEE ALSO Drainage; Drought; Floods; Heavy water; Hot water; Humidity; Irrigation; Ponds; Precipitation; Runoff; Sea water; Torrents; and SUBHEADS moisture; water relations; water supply; water systems UNDER specific subjects
Water belly
poultry SEE Toxic fat disease
Water conservation 2389 2421 2478 2497 10379 10444 10458 10471 26423 26605 35492 35588 44328 44489 44490 52974 53023 53031 53037 53041 53060 61595 61603 61629 61630 66892 78928 78964
Africa 44445*
Alabama 2469
Australia 2447 10398 78948 89863 89864 89865
bibliographies 18520
California 52428 52903 53059 61574
Canada 61618
conferences and congresses 94589
Congo 10386*
Czechoslovakia 78822*
Europe 8008
Florida 18533
Georgia 78932
Germany 19068*
Ghana 35576
Great Plains 10452 10472 52954 70841 70872 89456
history 2441 61599 61631 89901
India 10457 42114 53053 78547 78956
Kansas 18574 35565
legislation 10435 78955 26601*
Louisiana 2480
Mexico 18570* 18584*
Michigan 2495 53024
Montana 61611
Nebraska 78936
New England States 52684
New Hampshire 61615
New York 18582
Nigeria 26475
North Carolina 53021 53045
Oklahoma 53049
Pacific Coast States 70873
Poland 78815*
policies and programs 2502 18581 94598
Australia 35553
Canada 57879
Pakistan 10458
Republic of South Africa 83054
Rhode Island 53051
Rhodesia and Nyasaland 2482
Somali Republic 35582
South Carolina 44447 53021

Item

Water conservation--Cont
Southern States 52682
statistics 89925
study and teaching 70847 18591*
Tropics 26197
Tunisia 78907*
USSR 61997
Virginia 61627
West Virginia 61628
Wisconsin 53035
Water core
apples 16592 34030
Water mites SEE Hydrachnellae
Water oak SEE Quercus nigra
Water Research Foundation of Australia 35468
Water Resources Planning Act of 1961 (proposed) 61573 70834
Water rights 18490 26559*
Australia 44360
Austria 44384*
California 2436 10377 18541
Germany 78838*
legal aspects 26552 70730 70737 70758
Montana 61532
Nebraska 52956
Nevada 52979
Utah 52908
Waterchestnut SEE Trapa natans
Watercress 6609 50038 49*
Waterhyacinth SEE Eichhornia
Waterlily SEE Nymphaea
Watermelon Growers & Distributors Association 75088
Watermelons
analysis and composition 65719
anatomy and physiology 68696* 69108*
breeding 9854* 52087*
care and handling 75173
conferences and congresses 75088
containers 14123*
costs and returns 32044
culture 60858 25849* 34936* 78170*
disease resistance 1859 17587 59046
fertilizers 61351
fungus diseases 41874 77111 77153 33263* 77152*
germination 9097
hybrids 89159
marketing 48393
morphology 16347 59635*
nematodes 50484
packing 75173
pest control 63876
planting 69973
seeds 9097 59635* 69108*
storage 31055 48452
trade 15409
varieties 1859 17587 59046 52087*
virus diseases 586 50484 77261 77239* 87043*
Watershed Protection and Flood Prevention Act of 1954 70485
Watersheds 2463 35529 61313 76340 78930 89621
Arkansas 14686
Australia 8688 19054 44124
California 2238 10355 10595 10602 35854 71332
Canada 2652

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Item

Watersheds--Cont
Colorado 70813
history 35650
India 10152
Indus Basin 53019
Japan 26967*
legislation 10584 18242 35650
management 2244 17735 17825 17867 18547 35270 35277 35279 52685 61315 61321 61323 61324 61326 70481 71159 78550 89622
Allegheny Mountains 90282
Arizona 10431 44125
Arkansas 61314
Australia 79411 81899
California 2242 26199 34480 35268 44119 44127 44129
Canada 52686 52687
Colorado 18240 61316
France 61319*
Germany 10153
Illinois 10140
India 78547
Jamaica 26196
Japan 35271*
New England States 52684
North Carolina 70486 70835
Ohio 35272
Southern States 52682
Turkey 88699*
USSR 61317*
Virginia 10141 79402
West Virginia 10151
Western States 53022
Wyoming 44131
Maryland 89620
North Carolina 10144
Pennsylvania 18859
policies and programs 10146 18245 61491 70484
Canada 35275
conferences and congresses 66854
Iowa 70485
Mexico 2236* 26195*
Missouri Basin 78546
New Jersey 81453
North Carolina 78911
Pennsylvania 70485
research
linear programming 70725 78537
Tennessee Basin 35981
USSR 61996*
Waterstonia 29582
Watobiidae 55661
Watson M 32692
Watson W 58432
Wattle Research Institute SEE Natal University, Wattle Research Institute
Watts L F 8020
Wawelia SEE Sarcoxylon
Wax glands 12677* 20937* 20948* 47106*
Waxes
analysis and composition 7067
esters 84820
in dairy product packing 74834 13833*
in insect nutrition 5553
in insects 29745 38320 81932*
in plants 25967 34267 59838 65702 77551 77778 9972* 84818*
in wood preservation 44978
SEE ALSO kinds of waxes
Waxol H E 13931

Item

Weak peach peaches 59152
Weather SEE Climate and weather
Weather fleck
tobacco 1294 8928 33107 41707
Weber F 86172*
Weber H 49791*
Weber P 23768*
Weberbauer A 23903*
Weed Society of America 35056
Weeds 9881 43571 61008 78235 157* 44008*
Alabama 35009
Albania 43786*
anatomy and physiology 51088 87930 24817*
aquatic 89840*
Australia 25894
control 1929 17657 17664 17670 17695 17763 17796 34970 43704 43817 43835 52249 52311 86103
biological 25874 34982
California 17791
Canada 17822 43736
chemical 1969 25894 34993 60903 1943* 25885* 25887* 70065* 70085* 89285* 89359*
Georgia 43820
Great Britain 34971 35027 35048 35057
India 52238
Italy 35031*
Maryland 52303
Michigan 1970
New Jersey 52252
New York 9870 17768 17769
New Zealand 43733
Oklahoma 43735
USSR 9884*
Virginia 52303
Washington 52333
identification 89274
Republic of South Africa 43726
USSR 19385
United Arab Republic 25926*
Australia 17745 52271
Brazil 87209* 89366*
California 17692 17814
Canada 789
Ceylon 2000
conferences and congresses 17663 35056 43785 43810 17805*
control 1909 26273 43725 43728 43804 43839 43840 50160 60938 60975 60993 62920 89270 89281 9885* 17805* 78206* 89333*
Australia 1931 1952 43771 60990 78236 89394
Belgium 89299*
biological 17706 81397 91967 9908* 55200* 63800*
California 20580 46448
Canada 28769 63798
Hawaii 4342 4401
India 89368
Pacific area 4383
USSR 12329*
burning 9892 21591 52256 89271 89319*
California 17711 17712 17721 17741 17777 17791 17804

Item

Weeds--Cont
control--cont
Canada 17662 17663 78227 60959*
chemical 1920 1958 1968 2012 9863 9903 17652 17655 17677 17698 17714 17735 17739 17749 17757 17792 25900 25919 25928 34966 34969 43674 43685 43712 43761 43808 43809 44760 48173 52160 52165 52172 52197 52212 52230 52240 52251 60976 61009 70081 71166 78182 78185 89360 8361* 17667* 43918* 55407* 55409* 55426* 60932* 60935* 60983* 61004* 70011* 78188* 78190* 78208* 89254* 89255* 89332* 89350* 89364* 89398*
Arizona 43671
Australia 89271
Belgium 1936* 32487* 52323*
Bulgaria 89286 89323*
California 1971 17709 17773 25876
Canada 9873 17792 17823 43776 89295
Connecticut 17668 17756 52182 70037
Czechoslovakia 47471*
Denmark 9879* 17809* 89335*
Finland 9890*
France 52253*
Germany 25882* 70049*
East Germany 25896*
Great Britain 34965 70031
Hungary 1966* 89396*
Illinois 35011 78209
Indiana 17731
Italy 70008*
Kansas 43669
Maine 25946
Massachusetts 17648
Nebraska 70017
Netherlands 1930* 1944* 1945* 9862* 9891* 17819* 17827* 43832* 52177* 52207* 52322* 60931*
Nevada 17719
New Jersey 17696
New Zealand 1948 26362 43684 43734 43763 43800 43837 43843 44300 44314
Northern States 52229 52242 70034
Norway 25952* 43774* 52263* 60987* 89263*
Oregon 9919 34988
reviews 70100*
Rumania 52166*
Scotland 17720
Southern States 43679 43681 43691 43792 43830
Spain 89343* 89344*
Sweden 25881* 52217*
USSR 52186 61003 1907* 1913* 1925* 1950* 8328* 9864* 9876* 9877* 9925* 17646* 17820* 25913*

Item

Weeds--Cont
control--cont
chemical--cont
USSR--cont
25916* 43692* 43752* 52200* 60927* 60958* 60978* 70021* 70080* 70088* 70097* 78770* 89262* 89276* 89283* 89289* 89300* 89358* 89367* 89393*
West Virginia 70102
conferences and congresses 17765
Argentina 9905*
Brazil 89373*
California 17660
Canada 43838
Great Britain 34964
New Zealand 43778
North Central States 9895
Northeastern States 17764 52272
costs 17654 52230 78225 43692* 55375*
Denmark 1923*
equipment 38662 47335 74187 5730* 47431* 47471* 56131* 64871* 74049* 92770* 92913*
France 24118*
Germany 18246* 70048* 77318* 89380*
East Germany 33080* 89369*
Great Britain 34963 34994 35017 35042
Hawaii 89312
Hungary 78203*
India 43744 78219
Italy 9889*
Kenya 25897
Latin America 89404
legal aspects 78201
Louisiana 43813
Massachusetts 17701
Mexico 89317*
Netherlands 1946* 1947*
New York 52280
New Zealand 35020 43773 89384
Nicaragua 70076*
North Central States 1935
Northeastern States 17661 52220
Northern Ireland 1954
Norway 43815*
Oregon 25943
Pennsylvania 1916 70027
policies and programs 17721 17808 23204 67742*
Republic of South Africa 43727 43829
South Dakota 9915
Southern States 35019 52302 70082
study and teaching 1938 34963 35017 43707 43808 71163*
Sweden 52216*
Switzerland 61011
Texas 41711
Tropics 1917 8407
USSR 15874* 15914* 17798* 43721* 43753* 46512* 52171* 60981* 60984* 78204* 89266* 89275* 89331* 89381*
Yugoslavia 70063* 81643*
cytology 789
Denmark 9879* 78233*
diseases 59147

*Text of this reference is not in English.

Item

Weeds--Cont
dissemination 43771 43797 89375
ecology 33560 52191 81397 33544* 43788* 77349*
Germany 77318*
India 689
Italy 77330*
Japan 24492* 50567* 64509*
Minnesota 89345
Rhodesia and Nyasaland 16267
USSR 89284*
Yugoslavia 42126*
Ghana 89245
Great Britain 61006
Hungary 25948* 60998* 89267*
identification 1935 17744
Australia 1956 52273 89352 89353
New Zealand 35020 78214
Philippines 17766
India 25921 89365
Mauritius 25933
Minnesota 89345
morphology 59406* 89398*
nematodes 50561
New Zealand 43773
nomenclature 61006
North Central States 1935
Pennsylvania 70027
pests 64509*
seeds 43797 60989 77591 84973 43789* 59406*
Sweden 77591
USSR 15786* 43751*
Virginia 78226
virus diseases 42005 81709 87008*
SEE ALSO Brush; Herbicides; Poisonous plants; Tillage, in weed control; names of weeds; and SUBHEAD weed control UNDER names of plants
Weeks Act (Protection of Watersheds) of 1911 10584 10585 18242 18703 35650 53165
Weeks J W 10584
Weevils
anatomy and physiology 38148 20925* 64373*
and plant disease 37719
as pests 29006 46856 64341 81761*
control 4667 20825 73216*
Austria 37617*
biological 4354 4662 63967
Ecuador 63936*
Italy 55465*
Poland 20733
USSR 46334 81722*
ecology 55753*
food and host plants 73647
habits and behavior 55752 20925* 55735*
parasites 12832 82613 46883* 64564*
Poland 46846*
populations 21131 38143*
Weigela 34808*
Weights and measures 13516
California 56415
Central America 56419
conferences and congresses 56428
France 83479*
Virginia 65173

Item

Weights and measures--Cont
SEE ALSO Scales (weighing instruments); and SUBHEAD weight and measurement UNDER specific subjects
Weihe and Nees Rubi Germanici 58709
Weihenstephan Milchwirtschaftliches Institut 93436*
Weihenstephane Hochschultagung 40531*
Weinmannia 41363*
Weirs 44862*
Welch Grape Juice Co 75144
Welding 13290 83157 83061*
Welfare SEE Social welfare
Wells 18530 23525 35460 35485 52951 56323
artesian 44379 2407* 10388*
construction 47618 38866*
Great Britain 56325
maintenance and repair 38867
USSR 21763* 65043* 74375* 74379* 78779*
Welsh Agricultural Organisation Society 76500
Welsh Plant Breeding Station SEE Aberystwyth University College of Wales Welsh Plant Breeding Station
Welwitschia mirabilis 33655 33677*
Wenatchee National Forest 44602
Wentz G 40864*
Wepsyn 63855
Werneckia 73892*
Werribee (Australia) State Research Farm 34372
West African Cocoa Research Institute 9944 9974 93248
West African Institute for Oil Palm Research 26003
West African Rice Research Institute Rokupr (Sierra Leone) SEE Rokupr West African Rice Research Institute
West African Timber Borer Research Unit 20928
West Cumberland Farmers Trading Society 49567 84872
West Indies and Caribbean Year Book 23226
West Nile virus 46420
West of Scotland Agricultural College 15045 94459
West Virginia Academy of Science 15519 41150
West Virginia Home Demonstration Clubs 66969
Westerdijk J 86152 49801* 58437* 67184* 67202* 76721*
Westergreen's method 63292*
Westermanniinae 92578
Western Australia Dept of Agriculture 15520
Western Australia Egg Marketing Board 48864
Western Australia Forests Dept 26718 35631
Western Australia Milk Board 30495
Western Canadian Society for Horticulture 16777 17294
Western Canadian Weed Control Conference 43838
Western Colorado Horticultural Society 43360
Western corn rootworm SEE Diabrotica virgifera
Western Cotton Production Conference 84020

Item

Western Farm Economics Association 31652
Western Forestry and Conservation Association 44654
Western Forestry Conference 44654
Western hemlock SEE Tsuga heterophylla
Western larch SEE Larix occidentalis
Western Plant Propagators Conference 9564
Western redcedar SEE Thuja plicata
Western Snow Conference 53014
Western States Meat Packers Association 48722 75493
Western X
Prunus 8576
Western yellows
beets 8586
Westfalische Landwirtschaftliche Alterskasse 75903*
Westfalische Landwirtschaftliche Berufsgenossenschaft 75903*
Westfalische Landwirtschaftliche Familienausfleichskasse 75903*
Westfalischer Bauernkalender 41151*
Westonbirt Arboretum SEE Great Britain Forestry Commission Westonbirt Arboretum
Wet belly 36861 54580 54592 80595
Wetland deervetch 88565
Wettina 46779
Wetting agents SEE Surface-active agents
Weyerhaeuser Co
Forestry Research Center 53133
Weymouth pine SEE Pinus strobus
Wezenberg J W C 15550*
Whale meat 48984
Whangarei Co-operative Dairy Co 6282
Whartonia 38015*
Wheat
abnormalities 8784 59453* 68210*
acreage allotments 75850
acreage and area 14282
Great Plains 57125
Poland 93707*
South Dakota 6816 6817 6818
USSR 14260*
advertising 6744 6803 48534
agreements 76562 94764 15403* 67052*
analysis and composition 14246 22456 22464 39801 48551 75330 84487 84497 93700 22475* 22523* 37789* 39814* 39838* 39877* 45235* 57167* 65942* 75315*
reviews 48548*
anatomy and physiology 954 962 1062 1092 1116 1153 1184 1222 1224 4636 8784 9036 9061 9133 9164 9167 9389 16586 16679 16708 16741 16761 16883 24210 24851 24852 24912 24956 24986 25047 25104 25123 33847 33969 34022 34144 34145—34147 34201

Item

Wheat--Cont
anatomy and physiology--cont
41898 42484 42491 42545 42711 42844 51106 51115 51137 51166 51180 51217 52840 58958 59856 60212 68673 68840 69029 69034 77629 77714 86862 87494 87542 87630 87849 87966 87969 88017 88069 1088* 1096* 1188* 1205* 1217* 1227* 8852* 8853* 8876* 8888* 8920* 9027* 9101* 9113* 9138* 9173* 10089* 16027* 16511* 16548* 16699* 16706* 16739* 16760* 16854* 24858* 24942* 24998* 25045* 25052* 25074* 25091* 25106* 25149* 25163* 25174* 33218* 33874* 33928* 33978* 34007* 34064* 34087* 34122* 34156* 42438* 42456* 42485* 42577* 42590* 42593* 42655* 42687* 42715* 42763* 42773* 42777* 42848* 42859* 50060* 50716* 50821* 50932* 50934* 50945* 50959* 51125* 51130* 51146* 51191* 51284* 51328* 51337* 51399* 52820* 59410* 59510* 59559* 59597* 59748* 59800* 59859* 59934* 59947* 59957* 59966* 59969* 59990* 60029* 60031* 60085* 60086* 60094* 60099* 60109* 60187* 60188* 60201* 60210* 60211* 60213* 60234* 60268* 68606* 68628* 68652* 68677* 68697* 68788* 68824* 68856* 68900* 68901* 68937* 68941* 68946* 68951* 68953* 68955* 68973* 68974* 68999* 69000* 69011* 69045* 69086* 69091* 69093* 69162* 70290* 77515* 77665* 77676* 77743* 87482* 87500* 87525* 87588* 87605* 87665* 87779* 87814* 87874* 87904* 87914* 87951* 87977* 90263*
bibliographies 1011
associations 93727 22470* 48500* 48501*
bacterial diseases 44021 88459*
biochemistry 9221 9264 9304 34258 34269 41898 69241 77816 88177 33646* 34313* 43004* 59353* 60283* 68973* 69170* 69206* 69208* 69233* 69239* 69258* 77403* 88223*
breeding 876 24688 33794 43169 60452 60461 87467 42410* 59620* 68338* 69365*
Argentina 9375*
Bulgaria 25381* 69358* 69403*
Canada 17084
Chile 43171*
Europe 17074
France 43097*
Germany 69340* 88417*
Great Britain 31123

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Item

Wheat--Cont
breeding--cont
Hungary 25313* 25325* 34433* 34434* 51157* 77889* 87452*
Italy 25377*
Netherlands 60424*
Rumania 69395*
Sweden 1482* 69341*
Switzerland 87447* 88327*
USSR 9357* 24749* 25357* 25379* 34411* 34413* 42577* 43117* 43127* 43145* 43147* 43156* 43157* 51641* 59510* 59587* 60406* 60443* 60455* 60458* 60480* 69383* 69389* 69396* 69401* 69416* 69418* 69426* 69429* 69436* 69446* 69447* 86934* 88323* 88348* 88382* 88414* 88422* 88431* 88454* 88459* 92138*
Canada 39801
canned 22538
chemistry 65890 75298 84421 48587* 65915* 75352*
China 23906
cleaning 14268*
conditioning 6773 6774 14242 31190 39865 31182*
conferences and congresses 75297*
consumption 48569
contamination 37774 73126* 73128* 75355*
contests 69384 88314 88405 88415
cooked 14301
costs and returns 15027 66704 94505 85664*
credit 65876
culture 43082 51673* 59597* 70686*
Australia 88343 88410
Brazil 25298* 77906* 88441*
Bulgaria 69312*
Chile 43130*
Colombia 60471*
Czechoslovakia 43214* 51622*
Eastern States 51626
Finland 9408*
Hungary 88396 25366* 43095* 51619* 51623* 51660* 51699* 52885* 52888* 52891* 60451* 60952* 77874* 88380*
bibliographies 51650*
India 18347 34432 51640 51659 88346
Italy 9403* 25341* 69413*
Japan 17007*
Mediterranean area 34414*
Mexico 77856
Michigan 43104
Nebraska 60370
Netherlands 17092* 43166*
New Zealand 17027
North Dakota 60460
Norway 34441* 88320* 88444*
Pacific Northwest 70685
Republic of South Africa 43160
Rumania 69395* 88328*
Scotland 77880
Spain 25333 77859* 88345*
Sweden 25321 1463* 9365* 70690*

Item

Wheat--Cont
culture--cont
USSR 17923 2357* 2358* 10319* 17067* 25343* 34418* 43102* 51685* 58855* 60414* 60443* 60472* 60478* 60480* 61459* 61466* 69362* 69392* 70688* 70696* 78764* 88367* 88431*
Washington 9389
Wyoming 88418
Yugoslavia 26371* 88354* 88442*
cytology 843 8736 8744 16282 24648 24704 42331 42419 50761 50869 50885 50889 50890 87281 33646* 33727* 33818* 42191* 42213* 42252* 42403* 50686* 59365* 59396* 59688* 68376* 68405* 68999* 77403* 87473*
damage 36989 39835
defects 22498* 65909* 65942* 84477* 84480*
disease resistance 420 1478 8444 15966 16004 16455 24194 24210 24726 24755 41784 41837 42389 43169 59712 60452 68457 86729 33218* 33241* 41819* 41884* 41921* 58977* 67838* 69426* 77160* 77853* 86934*
Argentina 24372*
Canada 17084
India 67922
Italy 86840*
North Dakota 60460
Switzerland 67811* 88327*
USSR 9357* 67765* 86793* 86820* 86923* 87465* 88348* 88431* 88459*
Yugoslavia 86751* 86840*
diseases 33057 86700 86650*
drought resistance 8917 51403 59764 42773* 59748* 68677* 68950* 69113*
drying 38726 75292 92877 92901
dwarf 875 42412 50761
ecology 33498* 51191* 69397* 87193*
enzymes 1377 16883 84440 6850* 34212* 43004* 69206* 75352* 87980*
exchanges 14290
farms 7713 66704
fat and oil content 9264
feed 12198 36989 46115 72533 72566 72568 74923 74931 4229* 37390* 45235* 62323* 91822*
fertilizers 1153 18327 35399 51137 52737 8852* 8853* 8888* 9138* 34122* 57148* 59800* 61331* 68771* 68900* 70501*
Austria 87482*
Columbia Basin 10213
Czechoslovakia 2337* 10155* 10261*
France 61363* 89664*
Great Britain 18387
Hungary 2248* 2249* 26280* 52695* 52702* 52709* 52738* 52756* 52776* 52778* 52816*

Item

Wheat--Cont
fertilizers--cont
Hungary--cont
52820* 52825* 52827* 52866* 70624* 78612*
India 10303 18253 18347 35374 35375 35400 35417 52840 70629 78603 78697 78710 78713 87966
Ireland 77530
Italy 70588* 89633*
Japan 61438
Kansas 61520
Mexico 89731*
Missouri 52837
Nebraska 10296
Oklahoma 61338 89773
Oregon 26266 26318
Portugal 44263*
Republic of South Africa 44248
Rumania 44141* 78657* 78740* 89748* 89763*
Spain 61403* 70594* 70595*
Sweden 44176* 44177* 70526*
USSR 2341* 2347* 10205* 35347* 44041* 52699* 52817* 61241* 61361* 61382* 61449* 70650* 70653* 78554* 78690*
Yugoslavia 70619* 78592* 87605* 89733*
forage plant 4627 43299 88418 90998 34539*
fumigation 37774 55527
fungus diseases 416 420 438 443 485 512 1044 1376 8425 8435 8486 8487 8521 8531 8532 16004 16036 16063 16075 16097 16455 24285 33146 33258 33259 41777 41837 41898 42844 50422 50891 52844 58958 59011 67887 86729 86862 16027* 24266* 24313* 33164* 33218* 41812* 41921* 42956* 58977* 67815* 67838* 77179* 86934*
Argentina 24372* 86836*
Australia 24309 86766 86869
Austria 8503*
California 496 24243 33316 41895
Canada 430
control 50397 86932 419* 50386*
Australia 24304
Canada 402 16002
East Africa 24261
France 50393*
India 50414
Pacific Northwest 8513
Poland 86803*
Switzerland 86861*
USSR 429* 8476* 24369* 33278* 50388* 58916* 59064* 59095* 67918*
Yugoslavia 86819* 86929*
Europe 41851
France 8455* 77160*
Germany 375* 15967* 41884* 88260*
Great Britain 395
Guatemala 24339
India 417 8444 8490 67925 68513 77147 77435
Japan 33341* 50131*

Item

Wheat--Cont
fungus diseases--cont
Kenya 468
North Africa 41851
Pacific Northwest 50415
Poland 406*
Rumania 8522* 33301* 41878*
Scotland 86754
Switzerland 67811* 67812* 88327*
Taiwan 86815*
USSR 9357* 24319* 33190* 41802* 41819* 58922* 67765* 86793* 86820* 86923* 86948* 87465* 88431* 88459*
United Arab Republic 86951
Utah 393
Yugoslavia 86751*
futures 65876 75288 84490
genetics 875 876 893 900 923 8842 16439 16455 16468 16495 24685 24689 24700 24704 24713 24726 24727 24731 24738 24755 24765 33794 41784 42389 42400 42412 42419 50834 50869 50885 50889 50890 59687 59712 59715 68437 68457 68513 77435 87467 850* 884* 8810* 16440* 24739* 33818* 42359* 42371* 42372* 42396* 42403* 42410* 42438* 50686* 59609* 59685* 59688* 68416* 68494* 68508* 68516* 86650* 87413* 87447* 87452* 87465* 87473* 87480*
germination 1377 4627 9074 16586 24261 69029 69046 33972* 34064* 34313* 50933* 51055* 51130* 51131* 51192* 51194* 59966* 87980*
grading and standardization 6834 39835 57140 31148*
Australia 22536 31112 84503
Mexico 93099*
hardiness 1184 24912 24913 50834 51403 52844 1188* 16699* 34212* 42655* 42662* 43119* 51193* 59767* 60012* 60017* 60029* 60055* 60091* 60223* 60283* 60406* 60414* 60443* 60458* 60480* 61459* 68691* 69383* 77694*
harvesting 86662 17070* 69369*
equipment 64889 5757*
reviews 92836*
harvesting date 16760* 58922*
history 25316 31083* 34430* 88380* 88460*
hulls 14299*
hybrids 900 914 923 16455 16495 24611 24685 42412 42828 50834 50913 69440 8810* 25346* 42359* 42403* 43162* 59456* 59508* 59609* 59620* 60031* 68516* 69258* 69365* 77403* 77450* 77687* 86650* 87480*

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Item

Wheat--Cont
hybrids--cont
Bulgaria 25381*
Hungary 77853* 77901*
India 1487
Portugal 34377*
Spain 88421*
USSR 42577* 42655*
42773* 59433* 60455*
69389* 69401* 69426*
69442* 69446* 69447*
industry 6745 48559 84408
84504
injuries 8388 33057 33847
70096 86662 33028*
58855* 58912* 63899*
67733*
irradiated 6847
irrigation 18327 51311
Czechoslovakia 51622*
Great Plains 51115
Hungary 52756*
India 18253 78603
Kansas 61520
Rumania 78850*
Spain 61403* 70594*
70595*
USSR 42485* 61361*
judging 6812* 84486*
labor 94209*
legislation 31090
loading equipment 64800
male-sterile 24744 42208
malting 22471 84440
marketing 65939 75288
Canada 93710
Colombia 5961*
India 84509
North Central States
22465
Oregon 39869
Pacific Northwest 84490
Pakistan 84509
policies and programs
6744
marketing quotas 75850
microorganisms 57138
81857 65934* 75346*
milling and baking quality
6834 6843 6847
14227 22467 22540
31174 34375 48541
48584 75292 75353
93758 6751* 6812*
8852* 8853* 31138*
31146* 31210* 39808*
57167* 65887* 84477*
84480* 84484* 84494*
93716*
Australia 84497 84503
Austria 87482*
Belgium 39839* 48553*
France 31119* 39814*
65868*
Germany 6815* 39809*
69340*
Minnesota 84456
Montana 6746
Morocco 84479*
Nebraska 22502
North Dakota 65933
Northwestern States
6776
Norway 34441*
Switzerland 93756*
USSR 75281
moisture 6773 6774
22469 81857 84421
75346* 84484* 84489*
morphology 923 16036
24194 24611 68250
50776* 50821* 59347*
59353* 59357* 59369*
59400* 59421* 59426*
59433* 59453* 59456*
59475* 59488* 59508*
59510* 59529* 59541*
59543* 59549* 59559*
59560* 59567* 59587*

Item

Wheat--Cont
morphology--cont
59594* 59609* 59620*
59625* 59677* 64467*
68219* 68246* 68338*
87285*
nematodes 8490 77280
16193* 87103* 87115*
nutritional deficiencies
77530 87679
nutritive value 43130*
49722*
reviews 48548*
pest control 4627 20797
Great Britain 4619
37651
Mexico 92107*
Texas 46434
USSR 29013* 37678*
63901* 63939* 63960*
81654* 81707*
pest resistance 4636 4651
29052 46473 46474
55405 63910
Georgia 28982
Indiana 28977
USSR 88348* 92138*
pests 29052 55405 82616
Bulgaria 92476*
Great Britain 55393
habits and behavior
28945 81857 64467*
Hungary 28969*
Iran 28945
Italy 55465*
Morocco 84477* 84478*
84480*
Scotland 73243
Texas 12457
USSR 20777* 21441*
28944* 55441* 55467*
63875* 53899*
physiological diseases
16718
planting 1939 17043 88069
88350*
equipment 29919*
France 9366*
Hungary 10331* 29919*
50932* 51620* 51621*
51680* 51682* 51698*
52886*
Italy 51646*
Morocco 77861*
Republic of South Africa
43135
USSR 9380* 9382*
33498* 43125* 61241*
69433*
planting date 25321 69359*
88350*
Albania 43121*
Italy 69391*
USSR 59369* 60456*
69372* 88414*
policies and programs
5991 6822 6831
7400 13909 14306
22500 57175 65938
66704 84428
Canada 39802
Kansas 75308
Oregon 31196
Republic of South Africa
39864
USSR 22513*
pollen 42828 59364* 68968*
69233* 77687*
pollination 42828 24739*
42213* 42780* 59541*
68416* 68968* 69365*
prices 14295 31184 39858
65876 65927 84510
93686
processing 22519 22538
65844 65945 93712
14273* 48587* 84410*
84415*
products 14301 14599*

Item

Wheat--Cont
properties 6843 22536
24700 75292 75298
1096* 6855* 14244*
68771* 84427*
proteins 1184 6783
6853 22456 22507
22514 24700 31091
31099 31123 31174
34269 35399 48522
48538 51648 57127
68437 75288 75335
14308* 16739* 22475*
22482* 39808* 39850*
51328* 51399* 57178*
59800* 59353* 69258*
purchasing 22465
quality 1116 64889 14264*
42859* 68901* 69359*
75309* 84482*
Australia 14279 84487
88392 88415
Austria 31130* 31200*
Belgium 39838*
Canada 31099
European Economic
Community 39790*
Germany 39790*
Rumania 6840*
USSR 2347*
regulation and inspection
57197
relief programs 49630
research
statistical methods
51697*
seeds 1273 9074 42484
9099* 9173* 14589*
50686* 51131* 60031*
certified 31523 84977
Hungary 51680*
moisture 87623*
storage 42814
treatment 4619 8513
24261 24852 42814
50345 50414 51403
69034 419* 24369*
24739* 33278* 42590*
42687* 67918* 69006*
86964* 87623* 87814*
92063*
USSR 1500* 43117*
69396* 69433* 88367*
vernalization 9035
9036 24285 24956
1123* 24922* 33917*
34063* 59990* 59991*
68856* 69011* 77623*
87797*
viability 42814 87623*
situation and outlook 6831
31172 31207 65122
65861 65864 65884
65969 67091 84428
86014 93693 31157*
84436*
Belgium 39816*
Brazil 31132*
Great Britain 22479
Great Plains 57125
Italy 74385*
Mexico 93687
Ohio 22543
Spain 31158*
soils 18117 1205* 10089*
25163* 61239* 69045*
70290* 70373* 78404*
Australia 2351 10148
78601
Germany 8888*
Great Plains 89456
Hungary 52816* 52827*
52866*
Ireland 77530
Japan 35429* 42593*
USSR 42662* 44041*
59767* 61449* 70616*
89783*
Yugoslavia 70619*

Item

Wheat--Cont
spraying and dusting 1188*
sprout prevention 31146*
sprouted 57170 84418
31178* 75316*
statistics 75337 75347
84465
Australia 84493
Idaho 48574—48579
India 39872 65947
North Dakota 57193
South Dakota 6816
6817 6818
storage 64889 65890
6855* 57167*
Czechoslovakia 84502*
diseases 57138 57148*
75346*
pest control 37774
55534
pests 20870 55533
81857 84418 37789*
73342*
temperature 81857
75346*
surpluses 57140 75337
86016
tests 14227 14306 14317
20870 22502 22507
22524 22540 48541
75284 84418 84439
84455 84456 84459
84503 93754 6753*
31178* 31210* 65887*
75369* 75370* 93716*
equipment 31091 75332*
threshing 86662 56202*
toxicity 37390* 62323*
trade 7890 15349 15354
32372 49630 58298
58299 58300 67091
86014 86016 15403*
Canada 85958 85963
93710
China 15354 32372
85958
European Economic
Community 41011
India 86016
transportation 57164
types 6803 6845 15347
43082 57197 65122
65861 65864 65939
65954 75298 75850
84428 93743 6855*
31095* 39824* 59859*
68210* 68901* 69091*
Bulgaria 16699* 60234*
69358* 69403*
France 89664*
Germany 22485* 34402*
Italy 25377*
Japan 25149*
Mediterranean area
34414*
Morocco 77861*
Poland 43149*
Sicily 25304*
USSR 71328 1188*
8476* 9382* 10319*
14260* 17067* 17088*
22503* 25343* 25357*
25379* 34418* 42662*
43085* 43102* 43111*
43125* 43127* 43143*
43145* 51685* 60478*
61382* 61466* 67765*
69359* 69362* 69383*
69416* 69418* 69429*
69433* 69446* 70616*
70688* 77665* 87951*
88336* 88350* 88367*
88450* 88454* 93723*
utilization 6845
varieties 1478 9061
16004 18327 25316
42419 43082 50869
51648 59712 65954
68457 69419 75353

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Item

Wheat--Cont
varieties--cont
77629 93758 884*
39877* 42438* 59597*
68691* 68953* 87285*
88312* 88460*
Albania 43121* 51642*
Asia 69113*
Australia 1471 1472
1490 22507 51627
88344 88356 88410
1519*
Austria 43119* 50060*
Bulgaria 60234* 69357*
California 60465
Canada 15966 17066
17074 17084 43080
43142 63910 77882
Chile 34435*
Finland 9027* 9408*
France 77898*
Georgia 28982
Germany 6815* 17072*
34402* 34430* 39809*
51663* 68697* 69398*
77694*
East Germany 43084*
Great Britain 1518
Hungary 88396 25366*
34433* 50933* 51624*
69387* 77889* 87193*
India 8444 34375
34396 68513 69113
77435 88364
Indiana 9350
Iran 9369*
Italy 9403* 25295* 31138*
51637* 69322* 69339*
69391* 86840* 88451*
Japan 34087* 69397*
Kansas 25387
Kenya 88429*
Minnesota 84456
Montana 6746 69438
Morocco 84479*
Nebraska 88362
Netherlands 17092*
43166*
New Zealand 17027
North Dakota 22524
57127 60460 65933
Norway 34441* 88320*
88444*
Ohio 1479 51662
Oklahoma 25359 51684
Poland 43149*
Portugal 9344* 34377*
Republic of South Africa
60449
Rumania 6840* 9354*
34398* 34407* 34450*
43087* 43103* 43107*
Scotland 77880
Sicily 25304*
Spain 17062* 84482*
88345*
Sweden 1463* 9365*
Switzerland 67812*
USSR 75281 88452
9357* 16511* 17028*
22513* 25329* 25330*
25357* 25361* 34539*
42456* 42577* 43111*
43120* 43125* 43143*
43156* 50776* 50821*
59353* 59410* 59433*
60086* 68677* 69113*
69424* 69429* 69436*
75309* 75352* 86793*
86923* 87951* 88323*
88336* 88367* 88382*
88414* 88431* 88450*
88454* 93716*
Virginia 9405 25378
Washington 34390
Yugoslavia 26371* 43093*
69373* 86840* 87605*
88325* 88354* 88388*
88442* 89733*

Item

Wheat--Cont
virus diseases
Australia 59149
Canada 33413
Czechoslovakia 24445
Finland 29535
Japan 581*
transmission 46513
73242*
USSR 68043*
vitamins 7961* 69206*
waste 12198 53770 11009*
14299* 61372*
weed control 1939 52305
Canada 43717
Great Britain 34106
35026
Hungary 52318*
India 17649 89395
Italy 43760*
Japan 50567* 70050*
Oregon 70096
Poland 70099*
USSR 43721* 52214*
60988* 70113*
Utah 9920
Wyoming 89250
weight and measurement
14264*
yields 4627 17043 18327
24700 25123 35399
52737 52844 88017
1205* 9101* 25174*
51673* 68901* 77743*
87874* 89717*
Australia 69384 84497
Bulgaria 69357*
California 24243
Canada 43142 75854
77882
Germany 17072* 51663*
Great Plains 34201
Hungary 88396 51267*
51621* 51697* 52709*
India 18347 52840
77714 78603 78713
Kansas 25387
Nebraska 10296
Ohio 51662
Oklahoma 25359 51684
61338
Republic of South Africa
60449
research
statistical methods
60401
Rumania 43103*
South Dakota 6816
6817 6818
Spain 25333 88421*
Sweden 70526*
USSR 71328 1500*
2341* 2347* 2357*
2358* 10205* 43085*
43161* 52699* 60017*
60414* 61361* 61382*
63899* 68210* 69086*
69396* 70113* 70616*
70650* 70676* 70686*
70696* 78554* 87465*
Washington 9389 34390
Wyoming 88418
Yugoslavia 78592*
SEE ALSO UNDER Pools
Wheat germ 6798 49735
analysis and composition
91395
culture medium 51279
discoloration 31170 22498*
enzymes 48563
feed 72504 28585* 86069*
storage 31170
Wheat germ oil 80149 82851
22720*
Wheat Pool of Western
Australia 31206
Wheat Research Act 1957
(Australia) 31090

Item

Wheat starch 6791 14250
48586 93049 57152*
65863* 84405*
Wheat straw 51624* 70372*
93478*
Wheatgrass SEE Agropyron
Wheelbarrows 92941*
Wheels 13123 13323* 92712*
tractors 19096 64938
47485* 74246*
Whey
analysis and composition
83780 39284* 47933*
74734*
chemistry 30501* 93293*
culture medium 6261
enzymes 83780
feed 3034 12204 13886
65553 91814 47952*
55016* 79720* 79732*
80186*
fertilizers 18358 87958
in silage preparation 19403*
processing 13886 6347*
83922*
proteins 13717 39261
83772 79732* 93290*
93293*
utilization 6261 39301*
81938* 93336*
reviews 74766*
SEE ALSO Sheep's milk, whey
Whipscorpions SEE Pedipalpida
Whipworms
dogs 91190 91263 3707*
19983*
mice 80699
swine 46278 28672*
Whiskey 47841* 74589*
White ants SEE Termites
White ash SEE Fraxinus americana
White basswood SEE Tilia heterophylla
White clover 32757
Alabama 43245
anatomy and physiology
1080 9217 24801
33870 33914 51038
87595 77744*
breeding 60516
Chile 88636*
culture
Argentina 69507*
Australia 34492
Belgium 60581*
Congo 9455*
Southern States 17213
Texas 26324
defoliation 43287*
ecology 59329
feed 46210*
fertilizers 26222
fungus diseases 423
genetics 68440 16487*
germination 51038
harvesting 9217
hybrids 43295*
nematodes 68056
pest control 55471
pests 423 73222
planting 9217 69596*
seeds 1575 9217 34492
55471 77946
soils 18266 78432*
virus diseases 67987*
weed control 43710
White fir SEE Abies concolor
White grubs 12478 20759
55418 4768*
White heifer disease 36615*
White mulberry SEE Morus alba
White muscle disease 11262
79789*
cattle 12153 27764 45605
54[illegible]348* 72222*

Item

White muscle disease--Cont
horses 45838*
poultry 11864 28473
45989 63323 72526
72628 72642
rabbits 12054
sheep 12153 28473 37243
37280 4150* 4153*
20415* 81039*
prevention 54967 90633
treatment 37274* 37278*
81078* 91532*
swine 12272 37384 46280*
81295*
SEE ALSO Arthritis
White oak SEE Quercus alba
White pine SEE names of white pines
White poplar SEE Populus alba
White root
Hevea brasiliensis 41778
41779
White spruce SEE Picea glauca
White sweetclover
biochemistry 60329 77823
88161 88162
breeding 34503*
forage plant 81012*
seeds 25446*
soils 78683*
White willow SEE Salix alba
Whiteside test 27455 62820
Whitewash 29116 60158
Whittonia n g 67500 68318
WHO SEE World Health Organization
WHO/FAO/UNICEF Protein Advisory Group 56333
Whymperia 38417
Wichita Bank for Cooperatives 7397
Wickard C R 8014
Widell G A 86187*
Wideria 82180
Wikstroemia sikokiana 36122
Wilbrink G 86184*
Wild flowers 8197 86294
86366
associations 67410
bibliographies 86465
California 1328 41434
86477 89009
culture 34819 89075
89091
Czechoslovakia 58717
diseases 86722
Germany 131*
Iceland 17426*
illustrations 133
injuries 41682
Italy 76859*
Kansas 76976
Louisiana 89005
Malay Peninsula 86449
Michigan 32857
mountain areas 67490*
76859*
North America 133
Ozark Mountains 86414
Pacific Northwest 89045
pests 86722
propagation 89056
Republic of South Africa 32764
Rocky Mountains 60809
seeds 89075
South Dakota 86424
Switzerland 76856* 86426*
Texas 41405
USSR 88983* 88984* 89019*
Virginia 70157
Washington 89037
Wild oats SEE Avena fatua
Wilder R M 76750
Wilderness Act (proposed) 58084
Wilderness areas 2782 2789
10870 10872 35885
53477

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Item

Wilderness areas--Cont
Canada 10563
conferences and congresses 90290
legislation 2784
Maine 44895 44898
New Mexico 2780
Wilderness Conference 90290
Wildfire
tobacco 41957 60616
Wildlife
Africa 76321 84554
and disease 4507 11245
19452 28915 27784*
36330* 53904* 55257*
62460* 71861* 91688*
Africa 73148
Czechoslovakia 71855*
Europe 55133
reviews 55259
Italy 19566*
North Central States 79871
Pennsylvania 80246
Republic of South Africa 79839
Rhodesia and Nyasaland 71721
Wisconsin 80452
as pests 7976 7987
7999 8353 8394
10808 35849* 71309*
Australia 86643
California 77033
Czechoslovakia 92230*
France 45385*
Germany 79370*
Hungary 90259*
Kenya 63892
New York 33091
Texas 26909
Yugoslavia 44871*
conferences and congresses 7995 15507 92017
control 26950
Australia 33062 86643
Austria 90261*
Germany 10805*
Great Britain 76654
Hungary 19029*
food plants 1470 1909
12728 19060 23733
41096 43683 44131
64271 67384 69520
77317
India 18565
insect food 12728 37970
64240 64271 64438
82082
management 7987 10444
10874 15521 26977
26981 26984 26985
35270 52249
Asia 53485
conferences and congresses 49749*
France 44901*
Germany
East Germany 35892*
Hungary 19074* 26970*
Iowa 52038 53052
Kenya 86136
Louisiana 1470
Oregon 26973
Pacific Northwest 26939
Pennsylvania 26971
policies and programs 7999
Southern States 26975
53484
Texas 23041
Utah 49429
Washington 26972
parasites 38169 38200
pests 12430 28878 29302
37550 37579 55285
63810 63823 63828
73179 73906 81520
82358 82390 82901

Item

Wildlife--Cont
pests--cont
92017 4563* 28943*
71861* 73893* 92000*
92002*
Africa 20651 63869
Australia 82138
Bolivia 29297*
Czechoslovakia 37523*
Great Britain 37601
Indiana 37609
Italy 92048*
Lebanon 92664
Rhode Island 28863
Southeast Asia 92659
USSR 63846* 73154*
Vietnam 12400*
poisoning 4345 12396
28797 73074 81916
91947 41131* 81427*
SEE ALSO Birds; names of wild animals; UNDER Repellents; and SUBHEAD wildlife relations UNDER Forests and names and classes of trees
Wildlife Society
Southeastern Sect 43691
Wildrice 41096 88370*
culture 1513 17030 43131
88685*
fungus diseases 24200
86937
Wilhelmia equina 64463*
Wilhelminadorp Proefstation voor de Fruitteelt in de Volle Grond 9635* 60694*
Willamette National Forest 2789
Willigen R L de 32545*
Willow SEE Salix
Wills 7696 15124 32205
58053 66944 76412
Wilt
alfalfa 41818 24228*
bananas 37747
coconuts 24436 50511
81801
corn 16085
cotton 24329 77285 8485*
41821* 43209* 59018*
Dianthus caryophyllus 67903
guavas 16000
Mentha 67886
peanuts 59037
Quercus 8507 16015
24300 24363 33185
33192 33210 33222
50273 50352 50364
red clover 8431
tomatoes 86654 86814
Ulmus 15997
watermelons 77111
Wiluna Ground Water Research Station 18560
Wimmer F E 32556
Winberg's Florula Javanica 32867
Winches 13324* 44923* 71389*
74216*
Wind
effects on insects 20554
29428 64624 81463
82111 82893
effects on plants 34022
51413 51414 59807
77063 77534 704*
15935* 67701* 67750*
effects on structures 56268
effects on trees 8683
71299 71325 79344
10668* 19045* 26937*
53439* 90257* 90267*
Great Britain 15588
Wind erosion 2474 26606
53027 89903 78970*
Australia 53025
control 2473 44488
53039 61608

Item

Wind erosion--Cont
control--cont
Australia 61594
Pakistan 53047
USSR 2779* 10448*
89905* 89920*
Great Plains 10467
Poland 53036*
USSR 44472* 53026* 69327*
89900* 89902* 89919*
Wind machines 15901 58823
58842
Wind power 2829 65039
Wind tunnels
in entomological research 20554 28829
Windbreaks 1466 19064
Australia 74299
brush control 18912*
Bulgaria 10871*
California 44887
Cameroun 19058*
Congo 43861*
costs and returns 79399
damage 26947
effects on insect populations 12496*
Florida 52122
Germany 16225* 16829*
35506*
Great Britain 19053 26965
79393
Great Plains 26963
bibliographies 2776
history 90281* 90283*
Hungary 26968*
improvement cutting 44714
Ireland 36372
Italy 61993*
Japan 2775*
management
Austria 10860*
Brazil 10855*
Great Britain 79399
USSR 10448* 10464*
19069* 26969* 44886*
53467* 71114* 71326*
71333* 79204* 79397*
88943* 90139* 90173*
90283*
Nebraska 53465
Netherlands 42818
New Zealand 1983 53476
Pakistan 79401
pest control 64087*
pests 46733
planting 2706 19056
10726* 10790* 26907*
Canada 35872
Colorado 35879
desert areas 90215
equipment 18964* 71174*
Germany 19061* 90276*
90279*
Great Britain 2709
Hungary 26962*
Nevada 35870
New York 53472
New Zealand 53469
Oklahoma 35878
Pacific Northwest 44894
Pakistan 71221
statistics 44853
USSR 61921 10716*
18974* 19012* 26903*
35783* 61916* 79404*
90139* 90202* 90220*
90278*
Yugoslavia 26966*
policies and programs 79394*
Rumania 26964* 52127*
Shetland Islands 79405
soils 18084 53471 26848*
90139*
South Dakota 44885
USSR 17871 17872 17879
17888 17902 17903
18058 19063 26960
53473 71328 79396

Item

Windbreaks--Cont
USSR--cont
79403 2777* 2779*
10859* 16520* 19057*
35873* 43161* 43979*
44888* 53131* 55178*
59548* 60739* 61992*
68952* 71260* 79390*
79391* 86744* 90042*
90278* 90280*
weed control 2667 44756
53354 18901*
Windfeld I 49843*
Windgalls 28119*
Window-gardens 89016
Windows 2887* 19232* 27097*
71488*
Windrowers 64896 74100*
92844*
Windstorm insurance 40336
40350 40354 49048
Wine
accounting 83672*
acids 13665* 65330* 83653*
adulteration 74618* 83694*
93247*
advertising 13626 83696*
93238*
aging 47869 56531* 65295*
74622* 83662* 83683*
reviews 74625
analysis and composition 6111 39184 39191
42904 47856 65278
83649 93231 93233
6120* 6149* 6151*
13619* 13636* 13640*
13660* 13663* 21941*
21972* 21977* 25044*
30367* 30403* 30417*
30436* 30955* 39127*
39159* 39173* 39201*
47847* 47852* 47860*
47862* 50916* 56536*
56578* 56580* 56583*
56587* 61344* 65280*
65281* 65282* 65288*
65303* 65304* 65308*
65318* 65324* 65332*
65336* 65343* 74606*
74614* 74618* 74624*
75113* 83611* 83612*
83630* 83631* 83634*
83637* 83641* 83653*
83654* 83665* 83666*
83690* 83698* 83699*
83702* 83705* 93232*
associations 56581*
Austria 83698*
bacteria 74598 65288*
65306* 65325* 83607*
93235*
bibliographies 56557*
bottling 6148 21980*
care and handling 83660*
chemistry 47856 13643*
13654* 21963* 30393*
65288* 65328* 83686*
93232*
clarification 21945 30425*
30441* 56550* 56553*
56554* 74580* 74581*
83669* 83687*
color 74613 39153* 39158*
65280* 65282* 74606*
83700*
conferences and congresses 43432* 43433* 43434*
52731* 61344*
consumption 83624*
containers 74626 83683*
contamination 74634*
contests 74616*
cooperatives 13627* 14649*
65316*
defects 21963* 93235*
fermentation 6148 6161
30341 39191 13668*
21960* 30394* 30401*

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Item

Wine--Cont
fermentation--cont
30432* 30434* 39140*
39207* 56552* 65295*
65313* 74575* 74620*
83616* 83666* 83671*
83697* 93214*
reviews 39117*
flavor and odor 6161
74633 83708 30403*
56529* 83682*
Germany 30347
history
China 6116
Elba 30366*
France 6127 6145
Germany 13616*
Switzerland 21953*
hydrogen-ion concentration
74600 21965* 39209*
in folklore 30358*
industry 74570
Australia 74583 74588
Italy 30357* 93204*
Republic of South Africa
74619* 83601*
sanitation 6136 73351
Spain 21970*
Italy 6120* 30363* 47878*
judging 6102 74578* 74582*
83645*
keeping quality 39122
65307*
legislation 13657* 39216*
losses 56566*
manufacture 13659 30348
65323 6121* 6142*
13614* 13639* 13645*
30382* 30402* 30430*
39175* 39187* 47847*
65308* 65317* 74609*
74611* 74621* 74628*
83670* 83676* 93222*
93224* 93236* 93243*
Argentina 39182*
Austria 13630* 30381*
39160*
cooperatives 39128*
65284* 65316* 83621*
costs 83672*
Czechoslovakia 83655*
equipment 13622* 56544*
reviews 39178*
France 39128* 39190*
Hungary 1732* 65330*
83605* 93203*
Italy 93217*
Republic of South Africa
47875*
Rumania 56578* 56579*
74603* 74604* 93220*
study and teaching 21958*
Switzerland 30356*
USSR 13549* 13654*
56538* 83636*
marketing 13626 13638
13642
microorganisms 13639*
39172* 39181* 47857*
musts 30341 30397*
30441* 39161* 56553*
65303* 65304* 83669*
83671*
analysis and composition
50916* 56548* 56583*
83699*
chemistry 83616*
Italy 39172*
statistics 39118* 47837*
oxidation-reduction potential 6160* 39175* 56531*
93214*
pasteurization
bibliographies 65292*
Poland 6160*
policies and programs
30344 65300* 65322*
75079* 83625*
prices 74571 13658*
47855* 56582*

Item

Wine--Cont
processing 83708 21963*
30368* 30378* 30384*
30393* 30397* 30405*
30413* 30431* 56529*
56558* 56563* 65310*
65344* 83632* 93213*
93214* 93625*
properties 93227*
proteins 39122 56537*
74584*
quality 39191 25059*
25649* 25656* 30380*
39117*
Austria 13630*
Europe 83627*
Germany 30380*
Switzerland 74596*
93219*
USSR 30394*
refrigeration 30414*
regulation and inspection
30380*
Austria 47868*
France 13656* 39141*
74599* 83694*
Germany 30380* 74601*
international 65322*
Italy 93239*
Switzerland 21979*
Republic of South Africa
65279 83626*
situation and outlook 6113
75059 39124* 83677*
spoilage 74598
statistics 30438 65349
74640 83710 83677*
Australia 6105
Canada 83619
Germany 47851
Great Britain 83581
sterilization 47861 21980*
storage 47836* 83683*
93214*
surpluses 39185*
taxation 7408 49058*
tests 74600 74613 39153*
39203* 39209* 56542*
65320* 83679* 83682*
equipment 83700*
trade 75059
European Economic Community 40995*
France 13656* 85996*
transportation 83605*
types 6148 74613 74630
6142* 13668* 30382*
30403* 30431* 56558*
65310* 83679* 83682*
83700*
Austria 39160*
California 74598
Czechoslovakia 83654*
83655*
France 30359* 39190*
85996*
Italy 30352* 39172*
74579* 74627*
Portugal 6131 65324*
74631*
Republic of South Africa
47875*
Rumania 56579* 56580*
74603*
Spain 30434*
USSR 30378* 30402*
30413* 30430* 56538*
65307* 65313* 93209*
Yugoslavia 30427
vitamins 58348*
waste 30380*
SEE ALSO names of wines
Winema National Forest 35670
Wings
Bombyx mori 37937*
37938*
Coleoptera 73615 21102*
Diptera 5103 64414
82381 82428* 92472*

Item

Wings--Cont
Hemiptera 21285 29002
55869 29538* 64488*
64517*
Hymenoptera 64557 5271*
insects 64272 29419*
37977*
Lepidoptera 29664 55950
13020* 29661* 64638*
82663* 82757* 82761*
82785* 92573*
mites 82206
Orthoptera 5560 29754
73871 21467* 29767*
82839*
Psocoptera 56025*
termites 56018*
Thysanoptera 64715*
Winn A F 67220
Winnemanella SEE Dipogon (Winnemanella)
Winnipeg Grain Exchange
directories 48585
Winter dysentery SEE Vibrionic dysentery
Winter moth SEE Operophtera brumata
Winter rape
anatomy and physiology
50948* 51415* 68337*
68832*
fertilizers 89660* 89661*
fungus diseases 24356
hybrids 42441*
morphology 87302
seeds 24948* 68832*
statistics 75609
yields 51415*
Winter squash 24911 33724
75119*
Winteranaceae 8770 87338
Winterthur Gardens SEE Henry Francis du Pont Winterthur Museum Winterthur Del
Wintrobe's method 63066*
Wireworms
Canada 92132
control 81733*
Belgium 63889*
Hungary 29005* 81644*
Japan 4768*
Latvia 12453*
reviews 73219*
tests 4607
USSR 28967* 81665*
diseases 73617
eggs 64390
SEE ALSO Elateridae
Wirtschaftliche Vereinigung Zucker 31555*
Wirtschafts-Jahrbuch 75852*
Wisconsin Agricultural Experiment Station
report 32614 76807
Wisconsin Agriculturist 85867
Wisconsin Idea 75831
Wishart G 94901
Witches' broom
cacao 8574* 9934* 9935*
pigeonpeas 81723
Quercus gambelii 67826
Witchweed SEE Striga lutea
Withania somnifera 1335
1974 34290 87240
Withering W A Systematic Arrangement of British Plants 58584
Witloof SEE Endive
Wohlfahrtia magnifica 20682*
Wohlfahrtia opaca 73177
Wolbachia persica 55710
Woldmaria n g 15859
Wolff-Parkinson-White syndrome 91001*
Wolters K L 76742* 86208*
Women
associations 66978 76443
76461 85906*

Item

Women--Cont
attitudes 49569*
education and training
40861 57768 66906*
Germany 15218* 94653*
East Germany 66897*
Italy 49569*
labor 57768 75957* 85312*
Austria 85306* 94246*
France 75933*
Georgia 14217 86036
Germany 7412* 14750*
49075* 49081* 94211*
East Germany 66897*
India 57737
Iowa 49571
Kentucky 74448
Mississippi 85271
Poland 49427*
occupations 49078
Poland 49427*
SEE ALSO UNDER Human nutrition
Women's Farm and Garden Association 76461
Wood 2991 1109', '5002
89973 45126* 90450*
abrasion 11129*
acids 71583 45113*
advertising 53588 45008*
analysis and composition
2983 2987 11109
11110 11123 19321
44963 53704 62205
71465 71577 11108*
19318* 19342* 36130*
45162* 62210* 79570*
90434* 90445* 90484*
anatomy 3000 11115 11120
11132 19333 27198
36133 45146 45148
53714 53724 62223
71599 79612 79617
90487 3005* 19318*
19339* 19352* 27192*
27196* 36132* 36138*
45133* 45156* 61736*
62252* 62553* 71594*
79479* 79608* 90460*
90477*
reviews 90480*
Australia 62185
bending 10929 11139
36134 36141 71604
90478 3010* 36143*
45165* 53728* 53734*
bibliographies 11113
53713 27071* 62221*
chemical products 2942
2948 6496 11057
11059 19280 27146
36089 53661 53664
71538 2940* 19286*
19287* 19289* 36086*
36090* 45087* 45091*
53668* 53669* 53672*
53675* 60995* 62179*
71537* 74612* 79570*
90435*
history 62168*
Japan 2943*
policies and programs
11058*
reviews 45094 53663
USSR 27121* 27180*
36084* 45102* 90433*
chemistry 2982 2994
2995 11102 19315
19323 36069 45138
71540 71583 71589
90354 2858* 27150*
27179* 27180* 45136*
62203* 62215* 69200*
79603* 90461* 90481*
collapse 11102 27045
71413
collections 71592
color 3004 11118 62075
71585 27059* 79483*

*Text of this reference is not in English.

Item

Wood--Cont
combustibility 19184 19233 35955 44991 53564 53566 71431 62244* 71432* 79615*
compression 19317 90483 3008* 27199* 45166* 62237*
construction SEE Lumber
creep 53720 53722 79611 53734*
cyanoethylation 44975*
damage 35959 64116* 73383*
decay 2851 19189 27049 27053 27055 27062 35957 35960 35965 44996 53580 62087 71452 71615 73362 90354 90360 19173* 19177* 19183* 27050* 35956* 45132* 53567* 53584* 62083* 62088* 62092* 62215* 71449* 79479* 79483* 89534* 90361*
control SEE, Lumber, preservation
resistance SEE Wood, durability
reviews 62104*
defects 3001 11100 11120 53737 19345* 35964* 44977* 45153* 53575* 53717* 71437* 71446*
deformation 2999 36135 36136 45149 45150 53725 11127* 71418* 90467* 90468* 90475*
density 11122 26855 27186 35955 53724 53727 53738 62238 79357 11133* 44829* 62231* 79607* 90471*
deterioration 71540
dimensional stability 19353 27189 44961 53547 53556 53707 62251 79616 45152* 53573* 53583*
distillation 62170*
drying stress 10942
durability 10972 27049 27052 27062 27063 29137 44989 71615 79470 90364 2838* 2849* 2850* 2855* 53583*
elasticity 11121 27197 71595 71606 90458* 90466* 90469* 90490*
enzymes 45138 2852* 27185*
extractives 11055 11094 19328 27186 45082 45089 62217 71541 79572 90364 45090* 62218* 90434*
fibers 11098 35965 71593 79600 45154* 71421* 90467* 90475* 90490*
analysis and composition 36117
measurement 36147 19339* 79626*
reviews 19335
finishing SEE UNDER Lumber
fireproofing 62078 71431 10971* 53572* 71432*
fossil SEE Paleobotany
fuel SEE Fuelwood
gluing 2890 11018 11022 19157 19238 27103 36007 36010 36012 45034 71491 71500 79514 90394

Item

Wood--Cont
gluing--cont
90402 90403 2896* 11008* 11019* 27190* 44957* 45023* 45029* 45147* 53625* 53626* 62129* 62131* 62133* 62135* 62137* 62140* 62141* 71494* 71496* 90347* 90395* 90397* 90407*
reviews 36001
grain 3001 11139 27036 36131 36137 53716 62248 19345* 19349*
heartwood 19315 27116 62091 62205 62217 71585 79613 90354 90431 62208* 79607* 90465*
history 10516 79072* 90378*
hydrogen-ion concentration 62075
hydrolysis 53664 19286* 45128* 53662* 53672* 62201* 90447*
identification 11096 11103 11106 11115 53710 71585 71592 36132* 45133* 71608* 90444* 90451*
bibliographies 11137
in folklore 90366*
irradiation 27149*
laminated 11005 11017 19205 27102 27104 36015 53628 2896* 2897* 27100* 27105* 62139* 62227*
combustibility 10956
grading and standardization 90407*
properties 11016 53630 53685* 53734*
regulation and inspection 36017
strength 71492*
tests 36014
moisture 2999 11119 20906 36141 53632 53735 62248 71596 90479 11127* 11128* 19330* 27179* 36123* 45158* 53726* 62141* 62211* 62236* 71612* 71617* 79604*
measurement 19162* 45145* 90382*
permeability 10953 11120 27204 36133 71491 79613
pest control 12665 12666 20875 20882 20884 29154 37823 37828 73358 73397 92241 64072*
associations 20928
Australia 29157 55576
France 12643 46636* 64067*
Japan 64095* 64110*
Louisiana 64070
Netherlands 20894* 20914*
Switzerland 64116*
tests 20918 73395
pest resistance 20910 29137 12623* 12641* 46640*
tests 46642 46641*
pests 82330 19177* 29344* 81882*
Argentina 81913*
Canada 46666 82329
China 46641*
Czechoslovakia 73387*
ecology 64101*
Europe 81885 55562*

Item

Wood--Cont
pests--cont
forecasting 37825*
habits and behavior 29151*
Ghana 81880
identification 12639 37828 81886 55586*
India 46637
Japan 64101*
Michigan 64233
outbreaks 92226*
Rumania 47110
Taiwan 55741
Tropics 64082
USSR 73383*
preservation SEE UNDER Lumber
preservatives SEE UNDER Lumber
properties 2932 10928 11135 11136 36008 36144 45151 45157 45159 53718 53720 53721 62103 62222 62233 62238 62250 62254 71540 71609 79624 90343 90459 90462 90489 90492 90493 11119* 19351* 27192* 27193* 36132* 36146* 45142* 45144* 53567* 62088* 62226* 62243* 71154* 71453* 71597* 71598* 71600* 71613* 71616* 71619* 79615* 79627* 90463* 90469* 90486*
bibliographies 3011
mechanical 3006 3009 19332 36137 36139 53733 53735 62227 62230 62241 62246 71409 71596 71604 71618 79618 3008* 11117* 11131* 19350* 27089* 27201* 45153* 45163* 45164* 53732* 62234* 62235* 62237* 62249* 71272* 71601* 79621* 79628* 90473* 90491*
physical 3006 3009 11123 53733 62246 71409 71618 79610 11117* 27190* 27191* 27201* 36140* 45164* 62235* 62237* 62253* 71272* 79628* 90491*
quality 3003 11123 18880 19337 26855 53223 61820 79612 90492 11138* 19346* 62209* 62231* 71613*
reviews 71610 53705*
reaction 71599
research
statistical methods 3006
resonance 27096 62227* 71614*
samples 2987 3006 11098 11105 36083 36148 44971 44989 46637 53725 62225 71611 53728* 71305* 71588* 71617* 79627* 90488* 90490*
sapwood 19323 27053 71585 19107* 27152* 90467*
seasoning SEE UNDER Lumber
shrinkage 3007 11102 19344 19347 19348 27047 53715 62225 71595 19341* 62073* 62234* 90482*

Item

Wood--Cont
specific gravity 11122 11125 18934 19336 62247 71284 79614 90242 53731* 90473*
spontaneous combustion 79615*
springwood 79567
stiffness 53630
strength 11104 11139 19249 19343 36131 36134 36137 53716 62229 62248 71606 71611 79622 3010* 11124* 19340* 45147* 45154* 45155* 45165* 45166* 53726* 62228* 62231* 62249* 71607* 90472* 90490*
stress 45023*
structure 36136 36145 44963 45150 53715 53730 53736 62250 71593 71595 71602 90489 19162* 19346* 27195* 36138* 36146* 45155* 62137* 71608* 79625* 79628* 90463* 90481* 90485* 90491*
bibliographies 11137
reviews 62224
study and teaching 2990*
substitutes 10984 62115 71466 79485 79497 44957*
summerwood 44783 79567 90242
surfaces 10937 27200* 62232* 90341*
swelling 3007 19344 19347 36142 79484 90483 11107* 45158* 45166* 62073* 62242* 90467* 90470* 90482* 90488*
swelling pressure 45161* 62245*
temperature 11119 53726*
tensile strength 36148
tension 19317 62229 11130* 62239* 62253* 90474*
terminology 2989* 61702*
tests 11105 36135 36148 71604 79622 90459 90462 90493 11131* 71607*
equipment 45149
tracheids 11116 19334 45129 90195 19338*
reviews 19335
warping 45160*
waste
analysis and composition 71576*
hydrolysis 31550*
utilization 11091 27146 35977 36071 36109 52715 79590 79594 90402 90415 11082* 27121* 45087* 45115* 45118* 53544* 53675* 53688* 62021* 71454* 71484* 71550* 71576* 79570* 79593* 90433* 90441
weathering 19185
weight and measurement 11128* 27194* 90382*
SEE ALSO Forest products; Fungi, wood-destroying; Insects, wood-destroying; Lignin; Lumber; Pulpwood; Timber; Tropical woods; Wood-using industries; names of wood products; and UNDER names of trees
Wood carvings 62185 64072* 64095*

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Item

Wood chips 10990 19251 53640 79464 79547 62166*
Black Hills 90430
care and handling 79585 79589 62186*
costs and returns 79554 71403*
damage 71513
defects 11052
equipment 27002 27004 53689
Finland 19111* 27020* 71563*
fuel 71563*
manufacture 2919* 19312* 45115* 71403*
moisture 35992* 45122*
mulch 33150
Northeastern States 90338
processing 11027 90429 2926*
products 2947 47869 11077* 45037* 45119*
Southern States 79568
statistics 71562
storage 71514 71570 79515 79585 79589 90410 90424 71489*
Sweden 90411*
transportation 2933 62186*
waste 11073 71570
weight and measurement 45060 19307* 62199*
Wisconsin 90415
Wood flour 45117 53703 62214 71556
Wood J G 58421
Wood meal SEE Wood flour
Wood sugar 36055 51524 79573 79574 42983* 53662* 90455*
Wood wool 21728*
Woodchippers SEE Wood chips, equipment
Woodfordia floribunda 50813
Woodfordia fruticosa 50044
Woodlice SEE Isopods
Woodworking 2958 2979 10927 10928 19160 27036 27037 44956 53545 53738 71409 11124* 27200* 62066*
Australia 2826
conferences and congresses 79468
directories 19158
Wood's light SEE Ultraviolet rays
Wood-using industries 2594 10885 62009 79497 79498 71350*
Africa 44564*
associations 89998* 90002*
Czechoslovakia 10893 44912* 90385*
France 53500
Germany 53501 53616 35898* 45108* 53132* 53598*
Great Britain 53499
Japan 27150*
Norway 71480* 90371*
Poland 19088*
policies and programs 90025*
Rumania 53492* 71347* 71462* 90372*
situation and outlook 2870 2875* 35896*
statistics 2791 71456 83581 10897*
study and teaching 35945
Switzerland 71461*
USSR 18725* 45115*
Vermont 35971
Yugoslavia 71460* 71471* 79423* 79426*

Item

Woodworking--Cont
equipment 35947 79467 35932* 53544* 62065* 62067* 62069* 79469* 90341*
Germany 35898*
materials 27167*
Rumania 71410*
study and teaching 19161
USSR 10924* 19150* 19152* 27031* 71408*
Woody gall
citrus 571 87055
Wool 39521 65640*
advertising 22590 57259 74979 84025 84070 92829 6567*
advisory services 63543
analysis and composition 28545 56865 84071 13955* 37193* 39500* 39528* 75004* 80989* 80990* 80991* 83998* 84079*
associations 75047
bacteria 4140
baling 14009 39575
bleaching 6486 30772
carbonization 30838* 30862*
carding and combing 48247 48274 65639 65658 84099 93511 22249* 30795* 39549*
equipment 30832
care and handling 28543
chemistry 6454 6480 6595 14018 22191 48159 48219 84135 30828* 84004*
color 30819
consumption 13995 22199 56870
contamination 13940 39472 48246*
cooperatives 22242
costs and returns 6510 15072 58014
damage 30887 84107
defects 6470 6519 56914 91745 54930*
deterioration 4140
directories 48280
discoloration 30887 56924
drying 30820 84089*
extracts 13955*
felting 6532 14010 22230 30821 30840 65627 84119 75018* 84088*
futures 39505
grading and standardization 6510 13956 30857*
Great Britain 41286*
history 30746* 30761* 39489*
hydrogen-ion concentration 22230 13955* 30769*
industry 39582 57230
Argentina 22556* 65632*
Australia 6456 30766 83994
China 30783*
Europe 30844*
France 6492* 39514*
Germany 30784* 84066*
Great Britain 65666
Hungary 80977*
India 81138
Italy 6537*
New Zealand 39534
Portugal 30774* 30844*
Republic of South Africa 65651
South America 74955*
Texas 30770
vertical integration 84066*
Wyoming 84585
iodinated 6581
judging 22209 56922

Item

Wool--Cont
marketing 22599 56879
Australia 14017 30748
costs 30823
Germany 84066*
Great Britain 93483
India 81138
Montana 39580
New Zealand 6545 6546 75000
Pakistan 13990
Republic of South Africa 30867
Texas 6531 13956 56911 65649
Virginia 48168
Wyoming 6489 65603
moisture 6485 6595 6598 39575 48224 84100 6576*
oxidation 6548
pests 46632 73332
policies and programs 57230 30768*
Australia 22175 56854
Peru 30834*
Republic of South Africa 48243
prices 6510 13995 56916
Netherlands 84033*
support 48168
Sweden 30863*
Texas 56911 65649
processed 30767
processing 6480 6485 6518 48215 65625 84045 84068 84075 84080 93503 22226* 30829* 39537* 75018* 75038* 83997* 84088*
production regions 56854
properties 6508 6555 6598 13943 13951 14001 30890 39464 39558 48200 48224 48247 56881 56899 56902 65581 65583 65611 65627 65648 65664 75025 83995 83996 84045 84085 6576* 13985* 39562* 48171* 48214* 65667* 80974* 83997* 84076* 93491*
proteins 6548 56865 20349*
quality 4065 6487 6519 30760 30819 56879 56905 74956 37177* 39504* 80992* 83998* 93491*
Australia 56881
Czechoslovakia 91647*
Hungary 72800*
India 12071
Ireland 80994
New Zealand 75025 91750
Republic of South Africa 65599
Rumania 91631* 91632* 91643*
Sweden 30863*
Syria 13985*
Texas 6531
Turkey 13985*
USSR 31224*
regain 6555 6598 13943 48200
Republic of South Africa 84112
sampling 6484 6566 30849*
scouring 65580 84046 84091 84100 84107 30858* 39528* 48246* equipment 75020*
shrinkage 6581 30777 30840 39518

Item

Wool--Cont
situation and outlook 13935 13995 22246 39891 48593 54875 65596 75030 6547* 22244* 30786* 31326* 56862* 65624* 80982*
Australia 13962 14666 39462
Europe 65624*
France 39490*
Near East 30785*
Republic of South Africa 6867
Spain 22247*
Texas 30866
spinning 6470 6495 6501 13997 22256 56844 56902 93497 93501 93519 6572* 30843* 39549*
Belgium 13924*
equipment 6564 13945 22249* 39481* 39578* 65598*
Germany 30808 93496*
Great Britain 6502
staple length 56902 56925 39504*
statistics 13982 30851 56916 74957 93506 22267*
Argentina 22556*
Australia 13921 13983 22174 30766 39463 74940 84764 84765
European Economic Community 22201*
France 22203* 74972*
Great Britain 83581
India 84766
Netherlands 6544*
New Zealand 6546
Republic of South Africa 22266 75032
Spain 65652*
storage 30803
structure 6454 13951 48211 56925 65581 74973 84107 65667* 83998* 84079*
reviews 13998* 13999*
subsidies 56911
tests 13997 14001 22256 30820 39518 56918 65664 84103 13991* 39504* 39554* 74944* 74947* 84000*
Australia 12078 30767
equipment 6515 6566 14010 30876 75033 84086 30849*
textiles 6479 6487 13923 13940 13941 22227 22230 22231 30760 30807 30812 30817 30818 30876 30882 30883 30887 30889 39480 48205 56905 65627 65633 73332 74943 74971 76581 84009 84106 84112 39483* 39530* 39537* 46630*
Australia 4157
conferences and congresses 30873
Italy 30746*
tops 39505 84086 30769*
trade 7884
Australia 67082*
Italy 32359*
Japan 32358* 67082*
Netherlands 84033*
Republic of South Africa 86005
types 6518 13956 30819
utilization 22174 65591

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Item

Wool--Cont
weight and measurement 14009 65653 75033 80965 80972 72867*
yarn 6487 56902 48171*
SEE ALSO Angora rabbit wool; Cashmere; and UNDER Pools
Wool fat 31395 39905 39936 48644 48754 75394
Wool Industries Research Association 75047
Wool Research Act 1957 (Australia) 83994
Wool wax SEE Wool fat
Wool Yearbook 65666
Woolf's test 54954*
Woolly apple aphid SEE Eriosoma lanigerum
Work management SEE UNDER Labor and names of industries
Workmen's compensation 10824 19102 19128 40344
World Campaign against Hunger SEE Freedom-from-Hunger Campaign
World Census of Agriculture 74555 30322*
World Conference on Kenaf 22278
World Eucalyptus Conference 53303
World Forestry Congress 61671*
World Health Organization 4325 12392 55249
Expert Committee on Filariasis (Wuchereria and Brugia Infections) 81608
World Orchid Conference 17548
World Poultry Science Association 37143 91572*
World Seed Campaign 7196 7225 84956 84967
World Seed Year 7226 31515 75686 84955 94023*
World Small Animal Veterinary Association 71867
World Veterinary Association 54038 90761
World's Fair (Seattle) 44544 45002 89973
Wormia burbidgei 24633
Worms SEE Verminosis; and names of worms
Wormwood SEE Artemisia
Worsleya rayneri 34830
Wort 93205 56569*
analysis and composition 30371 39148 39165 39180 39204 93199
processing 39121*
Wound tumor 50469
Wounds SEE SUBHEAD injuries UNDER Livestock and names of animals
Wright J M 49777
Wrightia 60336
Wroclaw Wyzsza Szkola Rolnicza 23520
Wydzial Medycyny Weterynaryjnej 90619*
Wuchereria 4553 81608
Wuchereria bancrofti 37522 55265 55363 63815*
Wuchereria malayi SEE Brugia malayi
Wurmbaeoideae 51501*
Württembergische Forstliche Versuchsanstalt 71279*
Wye College 85904
Wyoming Dept of Agriculture 8013

Item

X-disease
fruit 59131
X-disease (animals) SEE Hyperkeratosis
X-rays
effects on alfalfa 68489
effects on Arabidopsis thaliana 59732* 59733*
effects on barley 34120* 42413*
effects on Cipura paludosa 33722
effects on Collinsia heterophylla 33769
effects on corn 59682 68817
effects on einkorn 33768
effects on insects 5283 12915 21140 29459 29475 38225 55767 55772 73717 82374 92550 5163* 5164* 5469* 12715* 13072* 21248* 46704*
effects on jute 16671
effects on Kalanchoë 50902*
effects on lemons 69031*
effects on Melandrium 59704
effects on Pinus sylvestris 61949
effects on plant disease 42021*
effects on plants 908 16439 16470 16476 33813 42236 50893 59607 59681 16925* 24747* 33618* 34174* 42447* 42483* 42493* 50895* 59850* 59943* 60311* 68482* 68509* 69041* 71251* 87631*
effects on potatoes 31010* 84189*
effects on rice 736 912 921 8824* 33778*
effects on seeds 912 989 10783 16549 59683 60152 71219 73455 87820 1233* 9058* 10788* 16494* 61903*
effects on sweetpotatoes 39761*
effects on tobacco 758
effects on wheat 42359*
effects on yeasts 42376* 42895*
hazards and safeguards 19527 3151* 80676*
in animal research 3092 3127 3668 3761 3951 4171 4193 11742 11748 12915 19527 20005 20008 20017 27318 27319 27443 28013 36938 54006 54526 54644 54665 62368 63052 63056 63083 72320 72332 72334 79911 81024 91348 3105* 3128* 3151* 3597* 3654* 3701* 4243* 11783* 20003* 20015* 20498* 20500* 27400* 27468* 27975* 28456* 28692* 36673* 36684* 45345* 45848* 53882* 54375* 54404* 54632* 62766* 63007* 63018* 63281* 63639* 71769* 71842* 72299* 72404* 80339* 80462* 80541* 80831* 91032*
in entomological research 21128 81865 55586*
in fertilizer research 79012

Item

X-rays--Cont
in fiber research 6505 6575 6597 48190 55626 84018 84092 84094 22272*
in fish research 48718*
in food research 65399*
in grain research 55533
in meat research 48718* 84617*
in plant research 33618*
in protein research 47662 83325*
in rubber research 66188
in soil research 17991 18136 35126 35174 61142
in wood research 10948 11034 71425 19318*
Xanthempis trigramma 82428*
Xanthine dehydrogenase
in animal physiology 54734 39273*
in Bombyx mori physiology 20983 55623 64212 4847* 20980* 37924* 64211* 64213*
in insect physiology 21389
Xanthine oxidase
in insect physiology 37924* 37925* 64213*
in milk 39257 39267 80511
in plants 88151
Xanthium
anatomy and physiology 1232 16524 60078
control 52209
genetics 8229
morphology 33748*
pests 73648
Xanthium orientale 1148 33675 34266 51553 77726 87693
Xanthium pennsylvanicum SEE Xanthium orientale
Xanthium strumarium 16659 17729 42242 25502*
Xanthocera 82421
Xanthoconium 50143
Xanthodonta 38479*
Xanthodynerus 38401*
Xantholinus roubali 92369*
Xanthomatosis 11953 91527
Xanthomicrol 16966
Xanthomonas 8570 24391 59105 86978
Xanthomonas n g (algae) 229
Xanthomonas albilineans 50452 86994 77208*
Xanthomonas axonoperis SEE Xanthomonas axonopodis
Xanthomonas axonopodis 24384*
Xanthomonas begoniae 86975*
Xanthomonas campestris 524 530 24393 86991 41946* 41956*
Xanthomonas citri 86980*
Xanthomonas corylina 67972
Xanthomonas elmassiani 47049
Xanthomonas juglandis 16104 67970 33356* 86893*
Xanthomonas malvacearum SEE Bacterium malvacearum
Xanthomonas maydis 41952
Xanthomonas oryzae 59110 33357* 59107* 77213*
Xanthomonas pelargonii 8564 77204 77206
Xanthomonas phaseoli 8566 24387 50454 67969*
Xanthomonas pruni 16055 16110 24385 59100
Xanthomonas rubrilineans 50453
Xanthomonas rubrisorghi 77210

Item

Xanthomonas stewartii 33353 59103
Xanthomonas vesicatoria 533 8568 16106 24395 41958 59101 77211 86979 67971* 86976*
Xanthophyll 3877 28215 45926 51430 54725 69148 81069
Xanthorhoeaceae 50031
Xanthoxylum SEE Zanthoxylum
Xenalamine 45969*
Xenaphalara n g 12930*
Xenasma 24091
Xeneda n g 73816
Xenephestia 47130*
Xenillus clypeator 82130*
Xenillus tegeocranus 82130*
Xenimpia 82718*
Xenochalepus trilineatus 12849*
Xenoclusia n g 46931*
Xenofrea 21160*
Xenomycetes 82271
Xenomyia oxycera 55778
Xenon 83259*
Xenophon 91332*
Xenophyes cascus 73755
Xenoporus n g 4936
Xenopsylla astia 28810 28918
Xenopsylla cheopis 12395 28810 28918 47235 73886 81557 92016 28940* 56044* 73186* 81537* 91998*
Xenopsylla gerbilli 20678*
Xenopterygus ipomoiae 21290
Xenopteryx n g 64337
Xenosiphonaphis n g 29567
Xenotarsonemus butcheri 92321
Xenotarsonemus viridis 92321
Xenothictis 73816
Xenylla welchi 5607
Xeranobium 82271
Xeris spectrum cobosi 82652*
Xerophilaphidae 29268*
Xerophloea 47032
Xerophytes 59387 59862 60204 59788* 87141*
reviews 60087
Xestobium rufovillosum 38124
Xestocephalidae 29536
Xestocephalus 29536
Xestocis 82271
Xestophanes potentillae 29587*
Xiphinema americanum 41769 59207
Xiphinema diversicaudatum 574 24462
Xiphobelba n g 29291
Xiphopteris 58737*
Xiphotheopsis n g 46817*
Xiphydria camelus 5327 82631*
Xyalophora quinquelineata 5067
Xylan 19257 30131 30132 31131 37242 90436
Xylanase 30131 30132 43028
Xylanthemum n g 32724*
Xylarioideae 253
Xyleborus 5005 12843 38154
Xyleborus destruens 55730
Xyleborus dispar 8477*
Xyleborus fornicatus 55480 55567 73275
Xyleborus morigerus 21129
Xyleborus morstatti 82222 46857* 81802*
Xyletinus fasciatus 46907
Xylit 66226*
Xylitol 2944*
Xylocamptomyia SEE Camptomyia (Xylocamptomyia)
Xylocopa 12949 38381

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Item

Xylocopa appendiculata circumvolans 12964*
Xylocopa divisa 38413
Xylocopa flavorufa 38413
Xylocopa ogasawarensis 82644
Xylocopa virginica 4864 64535
Xylocopa (Xylocopoides) 29594
Xylocopidae 5017 38413 81443*
Xylocopinae 55904
Xylocoris heluanensis 82570*
Xylocoris lativentris 47046*
Xylogenes 12854
Xyloketose SEE threo-Pentulose
Xylomyges conspicillaris 5406
Xylophanes media 38473
Xylophrurus 38417
Xylopia 41317*
Xylopodium 8782
Xyloporosis
  citron 77254*
  citrus 59167
  limes 59125
  tangelos 59125
Xylose SEE Wood sugar
Xylosides 53661
Xylosphaera 253
Xyloterus lineatus SEE Trypodendron lineatum
Xylotrupes dichotomus 5006
Xysticus 82201
Xysticus transversatus 4905
Xystodesmidae 55679
Xystrocera 82225*
Xystrocera globosa 82269
Xytrops 38518*

Yagoua Secteur Experimental de Modernisation des Rizieres 88330*
Yaks 27535* 27541*
Yakutskaya Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya 19556
Yale University School of Forestry 61978 90020
Yallahs Valley Land Authority 7646 7647 40630
Yalta Gosudarstvennyi Nikitskii Botanicheskii Sad 8191*
Yams 14144 68592 77763 607*
Yapoclonius SEE Cloniophorus (Yapoclonius)
Yarn 13993 6588* 48172*
  SEE ALSO UNDER names of fibers
Yeager A F 76732
Year Book of Timber Statistics 53502
Yearbook of Forest Products Statistics 44999
Yeasts 32987
  analysis and composition 65575* 75806*
  anatomy and physiology 16532 16700 16866 41290 51209 51223 51224 58945 68528 69059 77752 87743 88057 1034* 8975* 34074* 42376* 42895* 51338* 65301* 68400* 68675* 68758* 68759* 77597* 77619* 87746*
  biochemistry 1348 25195 51477 51505 69189*
  cultures 47805 15867* 27260* 30721* 42377* 68760* 74933* 93478*
  cytology 15 16700 24595 24615 24639 24646 24666 42249 50764 68289 68311 16354* 50745* 87746* 87201*
  ecology 36355*
  enzymes 84207* 88159*
  extracts 19844*
  fat synthesis 39055 65227
  feed 23694 45927 83955 3045* 3352* 3411* 3876* 7253* 22143* 23656* 27134* 27260* 27288* 27600* 30721* 45189* 45917* 48119* 48153* 63602* 65575* 74928* 74933* 80617* 80777* 91464* 93449* 93456* 93478* 94060*
  fertilizers 18249
  Florida 67584
  genetics 33788 50872 50905 87464 42376* 42377* 59692* 68469*
  hydrolyzates 3352*
  in animal physiology 62355 27845* 36355* 45553* 54389*
  in fermentation 6052 6144 22483 47775*
  in human nutrition 23694 23656* 75806*
  in insect nutrition 21201 82020*
  in soils 52587
  in wine manufacture 6163 6153* 6167* 13665* 30394* 30434* 39181* 39182* 39207* 43433* 47849* 47857* 47858* 47874* 65301* 65312* 65313* 74609* 74622* 83670* 83684* 93220* 93221* 93237*
  manufacture 6261 22472 40198 83955 7253* 7255* 22143* 48119* 65340* 74933* 93336* 93449* 94026* 94028* 94048* 94055* 94060*
  costs 22153
  morphology 16326
  properties 6153*
  protein synthesis 57139*
  proteins 68528
  sugars synthesis 56461
  taxonomy 24095 86578 15867* 36355* 50121*
  vitamins 3045*
Yellow birch SEE Betula alleghaniensis
Yellow bud 546
Yellow dwarf
  barley 4648 4649 8601 8605 12505 20758 20764 33414 37654 50472 59149
  grain 77230
  oats 59149
  onions 87030*
  potatoes 55207
  raspberries 87070*
  wheat 59149
Yellow fever 12414 37539*
Yellow-fever mosquito SEE Aedes aegypti
Yellow leaf
  alfalfa 24696
  Areca cathecu 344 345
Yellow mealworm SEE Tenebrio molitor
Yellow mosaic
  beans 63929
  broccoli 77224
  clover 59112
  cowpeas 24450
  turnips 545 16142 68017 77233 87031 87027* 87081*
Yellow mottle
  coconuts SEE Kadang-kadang, coconuts
Yellow Podzol soils 26188*
Yellow poplar SEE Liriodendron tulipifera
Yellow rust
  wheat 16097 42389 86754
Yellow soils 59956
Yellow spot
  sugarcane 50332
Yellow sweetclover 69178*
Yellow thick head SEE Tribulosis
Yellow top
  tomatoes 46432
Yellowflowergourd SEE Cucurbita pepo ovifera
Yellows
  bananas 68888
  beets 20776 50480 59187* 63888*
  cherries 68019 77215 87049
  Gladiolus 33286
  lettuce 29045 46509
  Malva 50480
  radishes 50427
  sugar beets 4657 24412 33369 33387 41997 46436 46441 50489 63877 81650 77253 92067 92068 24441* 67992* 81712* 87021*
  SEE ALSO Aster yellows
Yermoia 21420
Yew SEE Taxus
Yimnashana 82225*
Yingaresca 82215*
Yoghurt
  chemistry 74698* 83751*
  containers 13727* 83869*
  flavoring 83908*
  fortified 7968*
  manufacture 39360 56747 65386* 83897* 93396*
  nutritive value 15473* 58347* 67136*
  packing 48016*
  properties 83804*
  starters 39407
  SEE ALSO Bioghurt
Yomesan SEE N-(2¹-Chlor 4-nitrophenyl)-5-chlorsalicylamid
York H H 58430
York spot
  apples SEE Bitter pit, apples
Yorkshire Agricultural Society 85922
Young Farmers' Clubs 7810
Young livestock 3196 45337 90587 90658 3132* 45355* 90616* 90767*
Young's modulus 30796
Youth
  activities 32162 36382 40865 49538* 53125*
  advisory services 7803 32216 40866*
  associations 7814 32242 49525 66982 94706
    Australia 32250
    California 49520
    Denmark 76453*
    Ecuador 23473*
    France 58201*
    Great Britain 76455
    Italy 32240*
    Oregon 94709
    Republic of South Africa 49531
    Scotland 76458 85918
    Sweden 85923*
    Tasmania 85919
    Wyoming 40898
  attitudes 32270 49500 85946*
  Colombia 23431*
  education and training 10559 49486 49493 58142 58171 66970 76107
  education and training--cont
    France 23461*
    Germany 40876*
    Illinois 31753
    Iowa 94662
    Louisiana 23460
    Minnesota 75943
    New Hampshire 18568
    Pennsylvania 58131
    Wisconsin 23518
  employment 57629 58171 85309 23431*
  farming 76107 76455 23074* 49249* 85946*
  forestry 53142 70966
  health 94684*
  labor 23076 31779 49082 49108 94623
  policies and programs 32132 32185 76400 76403 85841 85895 85896
  psychology 7838 49574 67023 67024 94739
  Washington 49504
  SEE ALSO Agricultural education, secondary; Apprenticeship; Education; names of youth organizations; and UNDER Human nutrition
Yponomeuta SEE Hyponomeuta
Yponomeutidae SEE Hyponomeutidae
Ypthima 47139
Ypthima atra 29647
Yttrium 1196* 16871* 68947*
Yucca 34711 43738 64348 43543*
Yucca filamentosa 34021*
Yugoslavia Veterinarska Sluzba 36248*
Yur'ev V Ya 76710*
Yuzhno-Uzbekskaya Opytnaya Stantsiya Subtropicheskikh Kul'tur 88875*

Zabrachia 29443
Zabrachypus 38400*
Zabrus tenebrioides 37678* 55441* 63901* 63939*
Zacher F 86223*
Zaikevich A E 15552*
Zakhar'ev N I 76704*
Zakharov V K 94909*
Zamia pumila 175
Zamioculcas 42546
Zantedeschia 156
Zanthoxylum 23945
Zanthoxylum budranga oil 48804
Zanthoxylum caribaeum 62203*
Zanthoxylum magalismontana 60750
Zanthoxylum piperitum 295* 77195*
Zanthoxylum semiarticulata 51556
Zanzibar Dept of Agriculture 67175
Zapadno-Kazakhstanskaya Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya 79867
Zapadno-Sibirskaya Ovoshchnaya Opytnaya Stantsiya 25797*
Zaprionus 5102
Zarobsky V J 46762
Zauschneria californica 58694
Zea mays SEE Corn
Zeadiatraea grandiosella 4663 55473 92083*
Zeanins 59855
Zebrina pendula 68367
Zectran 29039 46335 46505 73095 73327 81658
Zehneria 67452

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Item

Zehntner L 8052*
Zein 6759 34080*
reviews 84488*
Zeiraphera diniana SEE Zeiraphera griseana
Zeiraphera griseana 37794*
Zeiratingis n g 5221
Zeleny test SEE Sedimentation test, wheat
Zelima 92438*
Zelkova 92526*
Zellcheming SEE Verein der Zellstoff- und Papier-Chemiker und -Ingenieure
Zeller H 8044* 58440* 76715*
Zelleria haimbachi 20916
Zelotes electus 64298*
Zelotes silvicola 55664*
Zemicamptoptera SEE Camptoptera (Zemicamptoptera)
Zentralverband des Deutschen Gemuse- Obst- und Gartenbaues 14053*
Zentralverband Deutschen Molkereifachleute und Milchwirtschaftler 30497*
Zepherina 82215*
Zephlebia n g 82896
Zephlebia (Neozephlebia) n sgen 82896
Zephyranthes 126 15738 42326
Zephyranthes candida 34331
Zephyranthes citrina 87690
Zephyranthes tubispatha 87690
Zercon tirolensis 82175*
Zerny H Lepidopterenfauna von Albarracin in Aragonien 82786*
Zero grazing SEE Forage plants, green cut
Zeta n g 32951*
Zethini 55877
Zetorchestoidea n superfam 29283
Zeugophora 21113
Zeugophora chujoi 12837
Zeuzera coffeae 55885
Zeuzera pyrina 92164*
Zheligovskii V A 49804* 76726*
Zhemchuzhnikov E A 76718*
Zhitomir Sil's'kohospodars'kyi Instytut 15232
Botanichnyi Sad 67295*
Ziegler M 76748* 79847* 79954*
Zigadenus gramineus 28457
Zigadenus leimanthoides 33669*
Zigadenus paniculatus 25909
Zigopinae 12576*
Zigzag clover 33520

Item

Zijp W A 58394*
Zimmeria SEE Cotiheresiarches
Zimmermannia SEE Cleptes (Zimmermannia)
Zinc
determination 83332* 83347*
effects on meat 84685*
effects on plant disease 591
effects on plants 1024 8880 50976 60114 60115 68778 87835 87937 9040* 50743* 50940* 51056* 55919* 67835* 68666*
effects on seeds 68892*
fertilizers 44135 61393* 78384*
in animal nutrition 11170* 27238* 27262*
in animal physiology 27429* 36302*
in cattle nutrition 54141 54198
in cattle physiology 62773 72157
in plant nutrition 8904 25162 59829 87552 16517*
in plants 981 1077 1241 69034 77788 24808* 27429* 35142* 35388* 42555* 51056* 68977* 83347* 87600*
in poultry nutrition 3862 20181 28202 28234 45915 45941 54729 3864* 11170* 27262*
in poultry physiology 3862 45915 45968
in sheep physiology 37277
in soils 10022 16709 52497 77517 26080* 35142* 43951* 52538* 70274* 78338* 78384*
in swine nutrition 4197 37337 81252
in swine physiology 4197 55108 20497*
in turkey nutrition 28207
in wood preservation 2859
reviews 44988
Zinc bacitracin 11468 45188 62308 72506 20156*
Zinc chloride 12663 14011*
Zinc dimethyldithiocarbamate SEE Ziram
Zinc hydrosulfite 71508
Zinc oxide 84943

Item

Zinc phosphide 11318* 27418* 36301* 41126* 59222* 80829*
Zinc sulfate 69034 86912 10250* 37411* 91807*
Zineb 16060 86925 33188* 33303* 41798* 67913* 77191*
adjuvants 41758*
effects on plant disease 67863*
mite control 63995 73288
residues 27660*
Zingiber 600 6152
Zinnia 543 558 50277 59940
Zipanginia n g 82314
Zipanginia loochooensis 82314
Zipoetoides 82224*
Ziram 35788 3122* 77146* 77166* 81505*
Zirconium 52460
Zizania aquatica SEE Wildrice
Zizania latifolia 88685*
Ziziphora 41398
Zizyphus jujuba SEE Jujube
Zoalene 11931 28343 74906 80845
Zodariidae 55674*
Zodarium immaculatum 73552*
Zographus 92360
Zonitis 29372
Zoogeography 21021 37965 38131
Zoological Record 82113
Zoology 12740*
conferences and congresses 12315*
dictionaries 23722
nomenclature 64229 82103 46747* 82071*
reviews 37963*
study and teaching 4314
Zootermopsis angusticollis 92233
Zophocnemis SEE Plagiognathus (Zophocnemis)
Zornia 24002 32820
Zorotingis n g 5221
Zostera 59861*
Zostera marina 25192*
Zostera nana 8783*
Zoysia 1308 43481 43750 60782
Zucker-Jahrbuch 57578*
Zukowski R 49822*
Zurich Bauernsekretariat 32254*
Zurich Eidgenossische Technische Hochschule
Anstalt für das forstliche Versuchswesen 44575*

Item

Zurich Universität Veterinärmedizinische Fakultät 79766*
Zuur A J 49816*
Zvolen Ustav pro Hospodarskou Upravu Lesu 71004*
Zvolen Vysoká Skola Lesnicka a Drevarska 53 38*
Zwaenepoel H 86 59*
Zwart S G 15 35*
Zwingelstein E 58 22*
Zygadenus SEE Zigadenus
Zygaena 29737 82799
Great Britain 5530
Pyrenees 5533
taxonomy 5532
types 5535
Zygaena algira 64578*
Zygaena araratensis 29718* 38503*
Zygaena diaphana 29719*
Zygaena diaphana hoffmeyeri 29719*
Zygaena eudaemon 82668*
Zygaena felix 82799
Zygaena gibraltarica 13041
Zygaena hippocrepidis 5532
Zygaena mauritanica 82668*
Zygaena pennina 82668*
Zygaena stoechadis 47203*
Zygaena trifolii 5404 64583
Zygaena zuleima 64578*
Zygaenidae 64583*
Algiers 64578*
Angola 38426*
collections 29737
Gibraltar 13041
Great Britain 5531
larvae 29657
Nepal 38490*
parasites 73782
pupae 29657
taxonomy 82668*
types 82799
Zygaeninae 38476
Zygaenoidea 29706*
Zygina 38289*
Zygnematales 16245*
Zygocolon SEE Damalis (Zygocolon)
Zygodon forsteri 8274
Zygomyia 82392
Zygonyx 5635 21499
Zygopetalum burti 87163
Zygoptera 73546*
Zygoribatula 4961*
Zygosporium masonii 33025
Zygosporium oscheoides 77625
Zyras (Parophthalmonia) 73620
Zyras robustus 73620
Zytron 17797 17800 52170 52313

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